A

ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1900.

(1899-1900.)

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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING WITH 30TH JUNE 1900.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) *Alteration of the area.*

The area of reserved forests and reserved lands under the control of the department at the commencement and at the end of the year under report, and the changes that have taken place during the year in the three circles and in the Presidency as a whole, are abstracted in the subjoined statement. Details of the alterations in each district are given in Form No. 44 :—

ABSTRACT A.—Classes and area of forests.

—	Area on 1st July 1899.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1900.
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests	5,151	(a) 11 (b) 400	(a) 1 ..	+ 410	5,561
Do. lands	1,859	(a) 12 (d) 16	(a) 2 (c) 29 (e) 39 (f) 400	— 442	1,417
Total ..	7,010	439	471	— 32	6,978
Central Circle.					
Reserved forests	6,012	(a) 2 (b) 248	(a) 3 (c) 1	+ 246	6,288
Do. lands	1,043	(a) .. (d) 105	(a) 25 (c) 7 (e) 4 (f) 248	— 179	864
Total ..	7,085	355	288	+ 67	7,152
Southern Circle.					
Reserved forests	3,695	(a) .. (b) 322	(a) .. (c) 4	+ 318	4,013
Do. lands	1,804	(a) 26 (d) 16	(a) .. (c) 12 (e) 6 (f) 322	— 298	1,506
Total ..	5,499	364	344	+ 20	5,519
Total.					
Reserved forests	14,888	(a) 13 (b) 970	(a) 4 (c) 5	+ 974	15,862
Do. lands	4,706	(a) 38 (d) 137	(a) 27 (c) 48 (e) 49 (f) 970	— 919	3,787
Grand Total ..	19,594	1,158	1,103	+ 55	19,649

(a) Rectification of area. (b) Transferred from reserved lands. (c) Disafforested or unreserved.
(d) Newly-constituted reserved lands. (e) Excluded at settlement. (f) Transferred to reserved forests.

There was a net addition of only 55 square miles to the area under the control of the department, against an increase of 341 square miles in 1898-99. The comparatively small increase during the year is to be attributed to the fact that the area available is more or less limited, selection and reservation in several districts having practically been completed. One hundred and thirty-seven square miles were newly-constituted reserved lands, while the increase due to rectification by more correct computation of areas under reserved forests and reserved lands was 9 and 11 square miles respectively. Besides the 5 square miles of reserved forests disafforested after obtaining the sanction of the Government of India, 97 square miles were cut off at settlement or removed from the category of reserved land to make provision for extension of cultivation and for the exercise of communal privileges. Taking the districts individually, the largest addition to the area of reserved lands was in *Nellore*, where 49 square miles were newly notified under section 4 of the Forest Act. *Salem* ranked next with 33 square miles, followed by *Cuddapah* and *North Coimbatore* with 23 and 13 square miles respectively. No decision has as yet been arrived at as regards the complaints of over-reservation in the Pattikonda and Rámallakóta taluks of the *Kurnool* district alluded to in the report for the previous year and the Collector has been asked to expedite the special report called for from him. It is, however, observed that 7 square miles of the area notified in previous years were again made unreserved land by the Collector during the year. The Board has again to note that the report from *Salem* contains no information as to whether the survey of the enclosures erroneously included in the area of reserves mapped by the Survey of India Party has been completed. The Collector has been asked to report on the point. The additions to the area of reserved forests are noticed in paragraph 3 *infra*.

2. The forest area of each district and the percentage which it bears to the district area and to unoccupied lands are presented in the following statement. The variations, as compared with the figures of the previous year, are small and need no remarks. The decrease of 213 square miles in the area of Government lands (column 3) is, however, noticeable and is due to the causes explained at the foot of the statement.

Abstract B.—District areas and Forest reserves.

District.	Total district area excluding feudatory and tributary states.	Area excluding zamindari and inam villages.	Occupied area.	Particulars of remaining area (column 3 — column 4). Unoccupied, culturable, unculturable and forest areas.	Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests and reserved lands. Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves, columns 8 and 9.	Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
1	2	3	4	5	6	7	8	9	10	11	12
	SQ. MLS.	SQ. MLS.	SQ. MLS	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Northern Circle.											
Ganjám	8,369	4,437	614	1,139	2,684	3,823	488	51	539	12·14	14·09
Vizagapatam	17,242	1,378	266	(b) 512	(b) 600	1,112	221	133	354	25·68	31·83
Gódávari	7,857	(a) 3,977	1,564	2,413	..	2,413	944	7	951	23·91	39·41
Kistna	8,498	5,615	3,281	2,233	101	2,334	803	325	1,128	20·08	48·32
Kurnool	7,514	(c) 6,776	2,047	(c) 4,729	..	4,729	2,075	806	2,881	42·51	60·92
Bellary	(d) 5,696	(d) 4,639	2,707	1,932	..	1,932	523	92	615	13·25	31·83
Anantapur	(e) 5,564	4,715	2,025	2,651	39	2,690	507	3	510	10·81	18·95
Total ..	60,740	31,537	12,504	15,609	3,424	19,033	5,561	1,417	6,978	22·12	36·66
Central Circle.											
Cuddapah	8,723	(a) 7,567	2,122	5,445	.	5,445	2,028	423	2,451	32·39	45·01
Nellore	8,765	4,073	1,779	2,282	12	2,294	667	88	755	18·53	32·91
Chingleput	3,092	2,050	1,034	1,007	9	1,016	210	4	214	10·43	21·06
North Arcot	7,365	3,909	1,359	2,544	6	2,550	1,183	51	1,234	31·56	48·39
South Arcot	(g) 5,216	4,747	2,425	2,249	73	2,322	685	24	709	14·93	30·53
Salem	7,529	5,391	2,162	3,229	..	3,229	1,257	196	1,453	26·95	44·99
Trichinopoly	3,631	2,685	1,661	1,010	14	1,024	240	78	318	11·84	31·05
Tanjore	3,706	2,487	1,783	689	15	704	18	..	18	0·72	2·55
Total ..	48,027	32,909	14,325	18,455	129	18,584	6,288	864	7,152	21·73	38·48
Southern Circle.											
South Canara	3,902	3,883	708	3,175	..	3,175	497	596	1,093	28·14	34·42
Malabar	5,593	(a) 5,565	1,611	3,954	..	3,954	349	251	600	10·78	15·17
The Nilgiris	957	(a) 957	307	650	..	650	389	100	489	51·09	75·23
Coimbatore	7,860	(h) 7,176	3,875	(h) 3,301	..	3,301	1,763	534	2,297	32·00	69·58
Madura	8,813	(a) 3,245	1,690	1,555	..	1,555	597	14	611	18·82	39·29
Tinnevelly	5,389	3,567	2,298	1,263	6	1,269	418	11	429	12·02	33·80
Total ..	32,514	24,393	10,489	13,898	6	13,904	4,013	1,506	5,519	22·62	39·69
Grand Total ..	141,281	88,839	37,318	47,962	3,559	51,521	15,862	3,787	19,649	22·11	38·13

N.B.—The figures in columns 1 to 7 were furnished by the Settlement Department of the Board of Revenue.

(a) Area by village papers has been adopted, as it is in excess of the survey area.
(b) The large decrease in the one and corresponding increase in the other is due to abandonment of forest area in Agency tracts.
(c) The decrease is reported to be due to correction of errors.
(d) The difference is said to be due to adoption of areas from the fresh lists of survey area furnished by the Superintendent of Revenue Survey.
(e) The difference is due to the introduction of survey areas into the district.
(g) The decreases are due to the transfer of the area of certain hill villages hitherto shown under ryotwari to their proper head, viz., Zemindari.
(h) The decrease is due to the exclusion of certain unsurveyed areas.

3. The subjoined statement shows the area of finally constituted reserved forests in each district during and up to the end of the year.

Abstract C.

Districts.	Prior to 1898–99.	During 1898–99.	During 1899–1900.	Total.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.				
Ganjám	245	176 (a) — 6	73	488
Vizagapatam	137	5	79	221
Gódávari	844	22	78	944
Kistna	706	41 (a) + 1	55	803
Kurnool	1,962	42	71	2,075
Bellary	458	12 (a) + 6	37 (a) + 10	523
Anantapur	450	50	7	507
Total	4,802	349	410	5,561
Central Circle.				
Cuddapah	1,651	204	173	2,028
Nellore	554	98	15	667
Chingleput	201	9	..	210
North Arcot	1,047	24 (a) + 98	15 (a) — 1	1,183
South Arcot	676	9	..	685
Salem	1,226	11	21 (b) — 1	1,257
Trichinopoly	192	24	24	240
Tanjore	18	..	..	18
Total	5,565	477	248 (a) — 1 (b) — 1	6,288
Southern Circle.				
South Canara	166	118	213	497
North Malabar	157	2	..	159
South Malabar	40	150	..	190
The Nilgiris	358	1 (b) — 1	31	389
North Coimbatore	1,054	7	49 (b) — 4	1,106
South Coimbatore	654	..	3	657
Madura	567	5	25	597
Tinnevelly	412	5	1	418
Total	3,408	287	322 (b) — 4	4,013
Grand Total	13,775	1,113	974	15,862

(a) Rectification of area. (b) Declared unreserved.

There was a net addition of 974 square miles against 1,113 square miles in the preceding year. The outturn was largest (213 square miles) in *South Canara.* In *Cuddapah*, which came next, 173 square miles were notified. *Vizagapatam*, *Gódávari*, *Ganjám* and *Kurnool* ranked next with 79, 78, 73 and 71 square miles respectively. There were also noticeable additions in *Kistna*, *North Coimbatore*, *Bellary*, *the Nilgiris* and *Madura.* Notifications under section 16 of the Forest Act in respect of thirty-four blocks containing 114 square miles were published during the year, which, however, took effect only after its close.

(ii) *Forest Settlements.*

4. The progress of forest settlement in the three circles and in the whole Presidency is exhibited in the subjoined abstract and the statement in appendix A shows, by districts, the total area brought under settlement up to the end of the year, the area constituted reserved forests, and the particulars of balance under settlement on 30th June 1900.

ABSTRACT D.

Circle.	Area of reserved lands—*vide* abstract A above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1899.	Added during 1899–1900.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 not constituted as reserved forests on 1st July 1899.	Added during 1899–1900.	Total.	Constituted reserved forests during 1899–1900, or otherwise disposed of.	Balance notified under section 4 but not constituted reserved forests on 1st July 1900.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle	1,859	28	1,887	470	1,417	986	74 (a) + 3	1,063	400 (b) 5 (c) 39	619
Central "	1,043	105	1,148	284	864	910	148 (a) — 15	1,045	248 (b) 3 (c) 4	788
Southern "	1,804	42	1,846	340	1,506	1,252	21 (a) + 26	1,299	322 (b) 18 (c) 6	953
Total ..	4,706	175	4,881	1,094	3,787	3,148	243 (a) + 14	3,405	970 (b) 26 (c) 49	2,360

(*a*) Rectification. (*b*) Initial notifications cancelled. (*c*) Excluded at settlement.

The progress during the year in the whole Presidency is compared with that of the previous year in the following statement: the area notified under section 4 in each district is shown in appendix C :—

—	1898–99.		1899–1900.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year.	482	3,816	431	3,148 (a) + 14
(2) Notified under section 4 during the year	167	493	141	243
Total ..	649	4,309	572	3,405
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled, &c.	206 (b) 12	1,015 (b) 75 (c) 71	192 (b) 21	970 (b) 26 (c) 49
Total of (3) ..	218	1,161	213	1,045
(4) Area which remained to be finally constituted at the end of the year	431	3,148	359	2,360

(*a*) Rectification of area.
(*b*) Initial notifications cancelled; includes the Nilambúr leased forests (12 blocks of 18 square miles), the notifications of which were cancelled at the close of the previous year and not included in that year's return.
(*c*) Excluded at settlement.

5. Four hundred and thirty-one blocks of an aggregate extent of 3,162 square miles remained to be finally constituted reserved forests at the beginning of the year, and 141 blocks amounting to 243 square miles were added during the period against 167 blocks amounting to 493 square miles in the preceding year. The decrease is, as has already been noted, due to the limited area available for further reservation. One hundred and ninety-two blocks amounting to 970 square miles were gazetted as reserved forests during the year against 206 blocks amounting to 1,015 square miles in the previous year. The slight fall in the number and area does not call for remarks. It should, however, be remembered that the number and area of blocks notified are not a fair criterion of the work turned out, more particularly when the settlement deals with smaller areas adjoining cultivated tracts, because more attention has to be paid to these than to larger hill blocks to ensure adequate provision for extension of cultivation, &c. Three hundred and fifty-nine blocks amounting to 2,360 square miles remained to be finally constituted reserved forests at the close of the year against 431

blocks amounting to 3,162 square miles in the previous year, the decrease being due to some extent to the decrease in the number and area of blocks initially notified. The particulars of the balance of area under settlement are shown below :—

—	1898–99.		1899–1900.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Notified under section 16 but not constituted reserved forests during the year ..	21	118	34	114
(2) With Board or Government awaiting publication of notification under section 16 ..	49	495	46	441
(3) Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.	22	460	26	505
Total settled and reported on ..	92	1,073	106	1,060
(4) Settled but not reported on ..	57	221	38	217
(5) Settlement proceeding ..	282	1,854	215	1,083
Total of (4) and (5) ..	339	2,075	253	1,300
Totals of (1), (2), (3), (4) and (5) ..	431	3,148	359	2,360

Of the 38 blocks comprising 217 square miles shown above as "settled but not reported on", 5 were awaiting preparation of maps, 11 were awaiting disposal of appeals, 12 were awaiting expiry of time prescribed for appeals, 4 were awaiting payment of compensation or exchange of lands, 6 were awaiting submission of final reports by Forest Settlement-officers or pending for other causes.

Two hundred and fifteen blocks were pending with Forest Settlement-officers, District Forest-officers and Collectors in various stages of settlement and the causes of their pendency are shown in appendix B.

6. The following statement compares the results of the settlement operations of the year under report with those of the previous two years :—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending with June 1898 ..	132	652	139	1,302	69	619	340	2,573
Do. 1899 ..	206	1,015	92	1,073	57	221	355	2,309
Do. 1900 ..	192	970	106	1,060	38	217	336	2,247

It will be seen from columns 8 and 9 that the year's operations fell slightly short of those of the two years immediately preceding.

7. One satisfactory feature of the year was that material progress was made in the disposal of the old blocks of many years' standing chiefly in *Ganjám*, *Gódávari*, *Cuddapah* and *Madura*. In the first-mentioned district, the settlement records of one block (Kriyamba) of more than 14 years' standing were received after the close of the year and have since been returned to the Collector for revision. As regards the Bainamari block also pending settlement for the same period, the Forest Settlement-officer's decision on a claim put in by the Zamindar of Chikati, which was adverse to the claimant, was appealed against, and the District Judge remanded the case to the Forest Settlement-officer for revision with directions to accept certain documentary evidence originally rejected by him. The Forest Settlement-officer adhered to his decision but the District Judge reversed it on appeal. No second appeal was advised on behalf of the Forest Department and the final notification has since been received in the Board's office and is pending scrutiny. In *Vizagapatam*, the settlement records of the Barnaconda block were returned to the Forest Settlement-officer for revision during the year and are now pending with that officer. An award for Rs. 8,000 was made during the year by the Forest settlement-officer under the Land Acquisition Act in respect of that portion of the Kadagandi reserve which was decreed by the

District Court in favour of the Honourable the Raja of Bobbili. An application was, however, subsequently made by the Raja to place the lands under the management of Government and the settlement records are therefore delayed pending the completion of the negotiations. The Peria and Padri blocks in *North Malabar* and the Attipadi valley blocks in *South Malabar*, which were pending scrutiny in the Board's office at the close of the year, have since been notified. In *North Coimbatore*, the renotification of the Yedaralli block alluded to in the report for the previous year was published in December 1899 and the time allowed for the presentation of claims expired only on the 31st August last. The survey of the Madeswaramalai block was completed during the year and its renotification is delayed pending the receipt of the map from the Survey of India Party. These blocks have not yet been thoroughly perambulated but the Board trusts that the Forest Settlement-officer will be able to submit the final report of the Yedaralli block within the current year. The progress in all the other districts except *South Arcot* was good and was commensurate with the work on hand.

8. *Outturn of work by the Special Forest Settlement-officers.*—The following statement submitted by the Forest Settlement-officers shows the work done by them during the year under report:—

Abstract E.

Names of Special Forest Settlement-officers.	Districts.	Issue of proclamation after notification under section 4.		Settlement of claims.		Report after settlement submitted.		Final notification proclaimed.		Cost.
		Number of blocks.	Area.	Number of blocks.	Area.	Number of blocks.	Area.	Number of blocks.	Area.	
1	2	3	4	5	6	7	8	9	10	11
			SQ. M.		SQ. M.		SQ. M.		SQ. M.	RS.
Mr. W. F. Bateman	Ganjám	3	7	12	58	8	50	5	66	2,519
	Vizagapatam	1	1	7	25	5	9	4	5	2,519
	Gódávari	2	2	3	6	3	6	6	56	2,519
	Kistna	13	39	14	32	6	14	5	13	2,519
	Kurnool	..	..	3	103	2	89	3	80	2,519
	Total	19	49	39	224	24	168	23	220	12,595
Mr. E. A. Smith	Kistna	3	10	12	43	16	38	17	49	3,415
	Kurnool	1	48	6	164	2	50	2	4	1,226
	Bellary	2	9	12	42	13	43	18	40	1,707
	Anantapur	5	3	2	1	..	..	..	..	847
	Nellore	13	38	18	28	16	24	11	20	5,445
	Total	24	108	50	278	47	155	48	113	12,640
M.R.Ry. K. Ganapayya Garu.	Cuddapah	2	23	19	235	19	324	15	203	3,869
	North Arcot	1	..	15	25	27	23	43	2	2,695
	South Arcot	..	..	1	..	1	..	..	..	..
	Salem	8	77	7	59	5	46	5	22	4,660
	Chingleput	..	..	2	2	3	3	1	..	350
	Total	11	100	44	321	55	396	64	227	11,574
Mr. F. V. P. Gompertz	Trichinopoly	..	..	16	33	14	27	21	28	2,419
	Madura	..	..	2	13	3	14	4	26	2,419
	Coimbatore	5	225	..	..	..	..	3	53	2,419
	Tinnevelly	..	..	4	6	2	3	2	1	2,419
	The Nilgiris	71	2	29	10	41	8	17	4	2,419
	Total	76	227	51	62	60	52	47	112	12,095
Mr. H. S. Mullins	Malabar	..	..	..	..	5	202	.		6,150
	South Canara	1	4	20	189	15	130	16	216	6,150
	Total	1	4	20	189	20	332	16	216	12,300
	Grand Total	131	488	204	1,074	206	1,103	198	888	61,204
	In 1898–99	149	527	219	1,268	197	1,036	189	979	54,230
	In 1897–98	115	438	233	1,159	148	680	126	740	59,654

All the five Forest Settlement-officers worked throughout the year with the exception of M.R.Ry. K. Ganapayya Garu who was absent on privilege leave for one month in continuation of the Easter holidays. As will be seen from the above statement, the outturn of Messrs. Bateman and Mullins was less than in the previous year; the decrease is ascribed by the officers to the fewer number of blocks available for settlement in the districts under their charge. Additional work was, however, provided for Mr. Bateman during the last quarter of the year. Mr. Mullins has since been temporarily deputed by Government to survey and demarcate the Mysore-South Canara boundary and this work is expected to carry him on till 15th December next when sufficient settlement work is expected to be ready for him. Messrs. Bateman and Gompertz have since been reverted to the Survey Department and the work in the districts under the charge of the former has been temporarily distributed to Messrs. Smith and Ganapayya Garu. The work of the several officers was, as usual, regularly scrutinized in quarterly reviews and the Board had no occasion to find fault with the general outturn of work.

9. *Outturn of work by Revenue Divisional-officers.*—The "Andiparai" or "Mary estate" of 303 acres in the *South Coimbatore* district which was purchased by Government for arrears of revenue in 1889, was notified under section 4 during the year in the name of the Head Assistant Collector of Coimbatore.

10. *Selections for further reservation.*—The preliminary demarcation and survey of the long-pending selections in the Pondokhol Mitta in *Ganjám* are still far from complete and some of the blocks selected in the Berhampur range await inspection by the District Forest-officer. Little progress was made in *Vizagapatam* and much time was lost in the resurvey of the Palkonda and Saragudu selected blocks necessitated by the incompetence of the surveyor first engaged for the purpose. In *Gódávari*, a special surveyor has been deputed by Government to make an accurate survey of the coast line near Coringa and the selections referred to in the report for the previous year will be taken in hand on the publication of the map. Fresh selections were made in the Koilkuntla taluk of the *Kurnool* district, but as the ryots have objected to the reservation the Head Assistant Collector has been deputed to enquire into the matter. Pending the results of the enquiry the notification of the selections has been postponed. In *Nellore*, 49 square miles were selected and notified under section 4 during the year and the Collector reports that the area which still remains to be selected is almost *nil*. The sanctioned forecast of reservation in the district, viz., 1,132 square miles, appears therefore to have been over-estimated. Selection work in *South Canara* was not as fast as could be desired, and the delay was due to the same causes as those noted in the report for the previous year, viz., the settlement of the *khan* and *bane* question and the completion of the revenue settlement. Some progress was made in *North Coimbatore* and only four blocks remained to be notified at the close of the year. Notifications under section 4 in respect of two blocks comprising about 12 square miles were submitted to the Board, but were, however, returned to the Collector for revision. With a view to straighten the boundaries of the existing reserves in the Upper Palnis in *Madura*, a few further selections of sholas were made and the notifications in respect of some of them have since been submitted to the Board. The following statement shows the latest estimate of reservation in each district:—

ABSTRACT F.

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—*vide* column 14 of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of column 5 to the area of Government lands in the district.	Percentage of column 5 to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	539	30	569	12·82	14·88
Vizagapatam	415	354	..	354	25·68	31·83
Gódávari	997	951	46	997	25·06	41·31
Kistna	1,165	1,128	..	1,128	20·18	48·32
Kurnool	2,677	2,881	..	2,881	42·51	60·92
Bellary	575	(*d*) 615	22	637	13·73	32·97
Anantapur	535	510	..	510	10·81	18·95
Cuddapah	2,640	2,451	..	2,451	32·39	45·01
Nellore	1,132	755	..	755	18·53	32·91
Chingleput	231	214	..	214	10·43	21·06
North Arcot	(*a*) ..	1,234	3	1,237	31·64	48·50
South Arcot	835	709	..	709	14·93	30·53
Salem	1,594	1,453	141	1,594	29·56	49·36
Trichinopoly	(*a*) ..	318	1	319	11·88	31·15
Tanjore	23	18	..	18	0·72	2·55
South Canara	1,011	1,093	..	1,093	28·14	34·42
Malabar	(*b*) 273	600	4	604	10·83	15·29
The Nilgiris	(*c*) 411	489	..	489	51·09	75·23
Coimbatore	(*b*) ..	2,297	33	2,330	32·46	70·58
Madura	(*a*) ..	611	..	611	18·82	39·29
Tinnevelly	440	429	1	430	12·05	33·88

(*a*) No definite schemes were formulated and approved for the districts.
(*b*) Final schemes were submitted only for the Northern Division of the district.
(*c*) Excludes leased forests. (*d*) Includes leased forests 62 square miles.

11. *Reserved lands not brought under settlement.*—Appendix C shows the area of lands reserved under rule 5 of the rules under section 26 and not yet brought under settlement. The area to be notified is, as in the last year, largest in *Kurnool* and little progress was made during the year pending the decision of the question of over-reservation in Ramallakot and Pattikonda taluks. In *South Canara* out of the 396 square miles shown as pending at the close of the last year, only 5 square miles were transferred for settlement and 1 square mile abandoned. Notifications in respect of a few more blocks have since been received and the delay in notifying the other areas has been explained in the previous paragraph. The progress made in *Kistna* was good and seventeen blocks comprising 49 square miles were notified against eight blocks comprising 21 square miles in the previous year. Seven square miles were added by correction of areas and 10 square miles were again made unreserved lands by the Collector, leaving at the close of the year under review 188 square miles remaining to be notified under section 4. Of these, the demarcation or mapping of 123 square miles has yet to be done and the Board trusts that no pains will be spared by the District Forest-officer to push on this most important work and to show better results during the current year. The 89 square miles shown against *Vizagapatam* are reported to embrace a large tract of country only nominally placed under reservation and when the blocks are finally selected much of this area will be cut out. The progress made in

Salem was satisfactory. The sanctioned extent of reservation in the district is 1,594 square miles. Of this area, 1,453 square miles have been brought under the control of the department and it has not been reported whether the remaining extent of 141 square miles is still available for reservation. The Board has, however, included this extent in column 4 of abstract F. The areas in the *Nilgiris* and *Bellary* consist mostly of leased forests.

12. *Survey of proposed Reserves.*—The Survey of India Party completed in *North Coimbatore* the survey of the Madheswaramalai proposed reserve of 246 square miles. In *Ganjám* two surveyors were at work, one throughout the year and the other for a part of the year, and 158 miles were traversed by them. Excepting the survey of a portion of the Kadagandi block no fresh work was done during the year in *Vizagapatam*, as the work referred to in the report for the previous year had to be redone owing to the incompetence of the surveyor employed. Considerable difficulty was felt in obtaining surveyors capable of turning out satisfactory work. The work of the surveyors in *Kistna* and *Salem* consisted of 27 miles of boundary survey and 26 square miles of outline survey, respectively. In *Kurnool*, the unsurveyed fields in the Panem proposed reserve occupied the attention of the temporary surveyor. As usual, one of the two surveyors in *South Canara* worked under the Forest Settlement-officer in correcting plans and boundaries of blocks under settlement, while the other was engaged in final demarcation in the Coondapoor range in advance of the operations of the Survey of India Party.

13. *Demarcation of proposed reserves.*—The following statement exhibits the length and cost of boundary lines preliminarily demarcated during the past two years:—

PRELIMINARY demarcation work.

—	During 1898–99.			During 1899–1900.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
1	2	3	4	5	6	7
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	22	130	5 14 6	87	531	6 1 8
Vizagapatam	20	268	13 6 4	40	551	13 12 5
Gódávari	96	249	2 9 6	17	68	4 0 0
Kistna	84	362	4 4 11	78 (a) 31	302 102	3 13 11 3 4 7
Kurnool	343	942	2 11 11	325 (b) 17	743 78	2 6 5
Bellary	75	348	4 10 2	102	254	2 7 10
Anantapur	..	..	..	..	..	..
Total, Northern Circle	640	2,299	3 9 5	697	2,629	3 12 4
Central Circle.						
Cuddapah	73 (a) 5	195 ..	2 10 8	..	..	..
Nellore	149	458	3 1 2	129	(c) 360	2 12 8
Chingleput	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..
South do.	..	..	..	..	..	..
Salem	48	224	4 10 8	107	270	2 8 4
Trichinopoly	..	..	..	21	7	0 5 4
Tanjore	..	..	..	..	..	..
Total, Central Circle	275	877	3 3 0	257	637	2 7 7
Southern Circle.						
South Canara	424 (a) 151	188 (d) 364	0 7 1 2 6 6	169 344	418 (d) 712	2 7 7 2 1 1
North Malabar	8	34	4 4 0	20	130	6 8 0
South do.	6	296	49 5 4	1	40	40 0 0
The Nilgiris	55	609 (a) 27	11 1 2	140	779	5 9 0
North Coimbatore	16	207	12 15 0	1	(e) 60	60 0 0
South do.	..	..	..	2	13	6 8 0
Madura	..	..	..	..	..	..
Tinnevelly	..	..	..	4	56	14 0 0
Total, Southern Circle	660	1,725	2 9 9	681	2,208	3 3 10
Grand Total, Presidency	1,575	4,901	3 1 9	1,635	5,474	3 5 7

(a) Repairs. (b) Rectification of boundaries. (c) Includes cost of erecting cairns.
(d) Amount spent in clearing boundary lines for Forest Settlement-officers' perambulation.
(e) Includes the cost of erection of cairns, clearing of prickly-pear and the cost of sign-boards.

No work was done in *Anantapur*, *Cuddapah*, *Chingleput*, *North Arcot*, *South Arcot*, *Tanjore* and *Madura*. In *Kistna* progress was not as fast as it could be desired, but the reasons adduced in the previous year's report for the slow progress still prevailed. In other districts the progress was commensurate with the work on hand.

The average cost per mile of demarcation was a little higher than that of the last year for the Presidency and for the *Northern* and *Southern* Circles, but decreased in the *Central* Circle. As regards the districts individually, the increase was unavoidable in *Ganjám* and *Vizagapatam* as work had to be done in Agency tracts and higher wages were paid. The marked rise in the rate in *Gódávari* was due to difficult ground in mangrove swamps. In *South Canara* a larger number of miles were re-cleared to guide the Forest Settlement-officer in his perambulation, and the average cost was less. Preliminary demarcation in the district consisted in previous years in the erection of temporary cairns and the cutting of numbers on the nearest trees, but during the year line-clearing was also done, and this fact explains the increase in the rate per mile for boundary lines freshly demarcated. With the change in the system the Board presumes that no further expenditure on the lines now cleared will be incurred at the time of the Forest Settlement-officer's perambulation. The rise in the rate in *North Malabar* has not been explained. In *North Coimbatore* only 1½ miles were demarcated, but the cost was abnormal, as a thick growth of prickly-pear had to be cleared and a comparatively large number of permanent cairns had to be erected. The decrease in the other districts was more or less due to the thinness of the growth on the lines cleared.

(iii) *Demarcation.*

14. The system of demarcation was not altered during the year. The following statement compares the cost and length of boundary lines permanently demarcated and re-cleared during the year with those of the previous year. The work that remained to be done at the close of the year is shown in Form No. 46.

ABSTRACT G.—Demarcation Work done during 1899–1900.

District.	Permanent.						Re-clearing old lines.			
	During 1898–99.			During 1899–1900.			During 1898–99.		During 1899–1900.	
	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
1	2	3	4	5	6	7	8	9	10	11
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.		RS.		RS.
Ganjám	130	(a) 1,400	10 12 3	150	(a) 1,372	9 2 4	(c) 59 49	176	31	31
Vizagapatam	91	1,443	15 13 8	63	(a) 1,763	27 15 0	100	325 (b) 792	Not stated.	(a) & (b) 774
Gódávari	55	572	10 6 4	124	(a) 2,009	16 3 2	(c) 286 109	(b) 508 115	200 (c) 388	(a) & (b) 8,869
Kistna	90	(a) 1,424	15 13 1	139	(a) 2,758	19 13 5	30	229	89	(a) 537
Kurnool	60	1,370	22 13 4	107	1,888	17 10 4	10 (c) 564	185 (c) 1,178	..	(k) 2,027
Bellary	150	1,147	7 10 4	92	484	5 4 2	490	(a) & (b) 1,833	198	423
Anantapur	102	529	5 2 11	56	(a) 306	5 7 5	..	73	25	233
Total, Northern Circle ..	678	7,885	11 10 1	731	10,580	14 7 6	1,697	5,414	931	12,894
Central Circle.										
Cuddapah	(f) 193	1,349	6 15 8	(h) 191	1,185	6 3 3	80	366	95	176
Nellore	28	(a) 275	9 13 1	250	(a) 1,924	7 11 2	9	76	..	(i) 418
Chingleput	34	(a) 849	24 15 2	26	236	9 1 2	..	(k) 117 (b) 478	..	(d) 39 (b) 468
North Arcot	(g) 62	656	10 9 3	(j) 49	528	10 12 5	(c) 1,765 12	146	(c) 1,914 11	97
South Arcot	277	3,678	13 4 5	90	(a) 1,930	21 7 1	3	17	..	..
Salem	43	243	5 10 5	70	195	2 12 6	(c) 486 391	522 (i) 32	390 (c) 621	167
Trichinopoly	..	..	..	15	97	6 7 6	(c) 118 11	85	(c) 296	..
Tanjore	..	..	..	..	..	..	..	1	..	..
Total, Central Circle ..	637	7,050	11 1 0	691	6,095	8 13 1	2,875	1,840	3,327	1,365

(a) Includes cost of erecting cairns.
(b) Cost of temporary establishment.
(c) Cleared by the Forest establishment free of cost.
(d) Includes cost of sign-boards, &c.
(e) Amount spent in cutting 48 miles of block lines in the interior of reserves
(f) Includes rectifying 42 miles of demarcation.
(g) Includes rectifying 41 miles of demarcation.
(h) Includes 9 miles of boundary rectified.
(i) Added as per Accountant-General's audited figures.
(j) Includes rectifying 25 miles of demarcation.
(k) Includes amount spent for cutting compartment and coupe lines

Abstract G.—Demarcation Work done during 1899–1900—*cont.*

District.	Permanent.						Re-clearing old lines.			
	During 1898–99.			During 1899–1900.			During 1898–99.		During 1899–1900.	
	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
1	2	3	4	5	6	7	8	9	10	11
Southern Circle.		RS.	RS. A. P.		RS.	RS. A. P.		RS.		RS.
South Canara	136	1,348	9 14 7	353	4,487	12 11 5	1	20 (b) 35	20	200
North Malabar	..	..	..	17	214	12 9 4	134	1,358 (b) 66	..	(b) 36
South Malabar	..	..	..	..	..	..	20	200	..	..
The Nilgiris	11	134	12 2 10	..	..	..	90	1,460 (b) 145	100	(a) 1,865
North Coimbatore	68	854	12 8 5	34	556	16 5 7	111	446	225	(a) 1,011
South Coimbatore	6	50	8 5 4	6	106	17 10 8	9	70 (e) 196	(c) 3	(b) 14
Madura	25	(a) 875	35 0 0	..	..	..	40	(d) 866	37 (c) 487	(a) 1,058
Tinnevelly	12	(a) 194	16 2 8	19 (f) 8	113 20	5 15 2 2 8 0	4	23	4	73
Total, Southern Circle ..	258	3,455	13 6 3	437	5,496	12 9 3	409	4,885	876	4,257
Grand Total, Presidency ..	1,573	18,390	11 11 0	1,859	22,171	11 14 9	1,713 (c) + 3,268	12,139	1,425 (c) + 3,709	18,516

(a) Includes cost of erecting and repairing cairns, &c.
(d) Includes cost of sign-boards, &c.
(b) Added as per Accountant-General's audited figures.
(e) Amount spent for cutting compartment and coupe lines.
(c) Cleared by the Forest establishment free of cost.
(f) Private forest adjoining reserved forests.

The total length of lines demarcated was larger than the outturn of the previous year by 286 miles. In *Vizagapatam*, *South Arcot*, *Salem*, *Trichinopoly* and *Malabar* the outturn was small, but in all the other districts the progress made was good. The work in *Kurnool* included as in the previous year the clearing of the taluk boundaries, and with the 24 miles cut at a cost of Rs. 894 during the year this work is reported to be complete. In the districts in which the outturn was poor, as also in *Gódávari*, *Ganjám* and *Kurnool*, the length of lines remaining to be permanently demarcated is still very large, and the Board trusts that the returns for the current year will show better results. In *Anantapur*, *Chingleput*, *North Arcot*, *Tanjore*, *South Canara* and *North Coimbatore* the demarcation of all the blocks finally notified up to the end of the year was completed and nearly so in *South Coimbatore*, *The Nilgiris*, *Madura*, *Kistna*, *Cuddapah* and *Bellary*.

There was only a slight increase for the Presidency in the cost per mile of demarcation. The rate fell in the Central Circle from Rs. 11–1–0 per mile in the previous year to Rs. 8–13–1 during the year under review and is satisfactory ; but this decrease was more than compensated by the increase in the Northern Circle, where the cost rose from Rs. 11–10–1 to Rs. 14–7–6 per mile. Taking the districts individually, in *Ganjám* the demarcation of 10 miles of Maliah boundary at Rs. 23 per mile done during the year considerably enhanced the cost, which would otherwise have been less than that shown in the statement. There was a remarkable rise of 75 per cent. in the rate paid in *Vizagapatam* and no satisfactory explanation has been offered by the Collector for the increase. Difficult ground and scarcity of labour accounted for the increased rate in *Gódávari* and a good deal of trouble was taken in clearing the cut lines of all stumps and roots. The Collector is of opinion that if at all the work is to be done efficiently the present rate is much too low. The higher rate in *Kistna* is ascribed to the introduction in most cases of stone slabs in lieu of cairns and to the removal of stones, roots and stumps for the purpose of rendering the boundaries suitable for riding and for carts to pass wherever the ground is not too steep. No demarcation watchers were entertained in *Bellary*, and in addition the rates were curtailed. This explains the lower rate in the district ; while it was due in *Chingleput* to the very small number (32) of stone slabs used during the year against 421 in the previous year. The higher rate in *South Arcot* has not been explained. Work had to be done over more difficult ground in *South Canara* and labour was scarce. As a consequence the rate of cost was higher. The increased rate in *North Coimbatore* is attributed to the comparative thinness of the growth which had to be cleared in the previous year and to the eradication during the year of prickly-pear in the Erode range, while in *South Coimbatore* it was due to the erection of a larger number of demarcation stones. Work in *Tinnevelly* was more or less confined during the year to the plain reserves, and the rate was consequently lower. The cost of demarcation varies directly with the nature of the ground operated upon (*viz.*, hill, plain or scrub areas), the width of the line cut, the density of the growth that has to be cleared and the labour available. No hard and fast rule can therefore be laid down beyond fixing maxima for each of such areas under different conditions of labour and climate, and District Forest-officers should always see that an equivalent is got for the money expended and that the work is thoroughly done.

One thousand four hundred and twenty-five miles of boundaries were re-cleared at a total cost of Rs. 18,516 against 1,713 miles at a cost of Rs. 12,139 in the previous year, but it is satisfactory to note that a larger number of miles were cleared free of extra cost for labour by the forest establishment, the figures for the two years being 3,709 and 3,268 miles respectively. The major portion of the expenditure on re-clearing was incurred in the Northern Circle. In *Gódávari*, where alone Rs. 8,869 were spent, the re-clearing of the boundary lines of many reserves in the Bhadráchalam taluk was undertaken as a famine work. Two hundred miles were put into thorough order and 2,207 substantial cairns erected. The boundaries had become so overgrown that it was impossible to tell which was reserved forest and which was unreserved land, giving ample opportunities for illicit fellings. This was anything but creditable to the officers concerned. Out of Rs. 2,027 shown against *Kurnool*, Rs. 749 were spent in the cutting of working-circle lines and the rest represents the difference between the expenditure under A-VIII (*a*) shown in the Collector's return and the Accountant-General's audited figures in Form No. 59. This large variation has not been explained

by the Collector. The necessity for re-clearing depends on many factors, but if the original demarcation has been properly done the work of re-clearing should be carried out as far as possible by the protective establishment, and the attention of all officers should be directed to this object.

(iv) *Surveys.*

15. The operations of the combined parties Nos. 9 and 19, Survey of India, consisting of four sections, each under the immediate charge of an officer of the Provincial Service, were confined to the four districts of *Kurnool*, *Cuddapah*, *North Coimbatore* and *South Canara*. The year's outturn is shown in the following statement :—

Districts.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	L. MLS.	SQ. MLS.	SQ. MLS.
Kurnool	..	8	413	..
Cuddapah	630	180	384	..
North Coimbatore	407	30	727	..
South Canara	392	94	..	..
Total ..	1,429	312	1,524	*..
Total of the previous year ..	950	723	1,350	986

* Information for 1899-1900 not furnished but has been called for.

The several sections were unable to start for field work earlier than the second week in October as arrears of work in office had to be cleared before departure ; but the dates of their return were correspondingly postponed to allow of a six months' field season. The number of miles traversed during the year was considerably less than that in the preceding year, but the fall under this head was compensated by the larger amount of work done under triangulation and topography. It is reported that the members of the establishment are being worked at high pressure and the results achieved must be considered satisfactory. With the season's work under report, the triangulation required for *North Coimbatore* was completed and the traversing and topography are expected to be finished within the current year. The fair mapping of the season's topography consisted of sixty sheets, out of which a large number (38) have been kept back from publication pending corrections and omissions pointed out by the District Forest-officers of *Kurnool*, *Cuddapah* and *North Coimbatore*, when they visited the Survey office at Bangalore during the recess in July. The withholding of so many sheets is certainly not satisfactory and the result is ascribed to the "unsatisfactory demarcation and clearing of forest boundaries and the want of assistance to point out the several rights (shrines, paths, &c.) within the reserves," notably in *North Coimbatore*, where the whole season's work had to be withheld. The Collectors of these districts have been asked to investigate the matter.

The actual expenditure for the survey year, inclusive of the cost of instruments, was Rs. 1,07,632 against Rs. 1,00,510 in the previous year. The increase of Rupees 7,122 in the cost has not been explained. The total cost adjusted by the Accountant-General after deduction of the Government of India contribution amounted to Rs. 69,013 for the forest year against Rs. 67,982 in 1898–99. The cost per square mile of topography fell slightly from Rs. 74 during the previous year to Rs. 71 during the year under review, and this decrease is explained by the increase in the outturn.

16. *Departmental surveys.*—Three hundred and fifty-three miles of boundary in *Gódávari* and 145 miles in *Kistna* were surveyed during the year. Besides, 14 maps were prepared in the former district and in the latter district the boundaries of the settled reserves in the Vinukonda range were rectified. A road from Thettu to Horsely-konda was surveyed by the Range officer, Madanapalle, in *Cuddapah*, while the survey of ten reserves was completed with a view to the preparation of working-plans by another

range officer in *Chingleput.* In *North Arcot*, two reserves of 26 square miles were surveyed by the Madras Survey Department and the temporary surveyor accomplished the survey of 39 coupes of an aggregate extent of 11 square miles. An outline survey of 5 square miles of coupes was effected also in *Salem*. A sub-surveyor from the Survey of India Party was deputed in May last to take up the survey of the areas leased out for coffee cultivation on the *Anamalais* and two blocks of 1,000 acres each were surveyed. In *Madura*, the surveyor continued surveying the plots leased out for cardamom cultivation.

17. The work of the draughtsmen employed in the several districts was generally satisfactory, and the details of their outturn are shown in appendix D. Out of the total area of 15,862 square miles of reserved forests final maps for 9,760 square miles were ready at the close of the year (*vide* appendix E).

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

(1) Regulation of Management.

(a) *Working-plans and their control.*

18. As will be seen from Form No. 48, working-plans for 219 square miles were sanctioned by the Board, and plans for 768 square miles were under preparation. These figures show considerable advance as compared with the outturn during the previous year.

Mr. Ribbentrop, Inspector-General of Forests to the Government of India, visited Madras during the year, mainly with a view to give advice about working-plans. He examined incidentally many of the plans already made or in progress, and gave advice about them, and as many officers as possible were introduced to him during his visits to the three circles. In addition he drew out a valuable practical memorandum which has been accepted by the Madras Government as the basis of action for the future. Under the advice thus given a working-plans officer has been appointed in each of the three circles.

The following is a *resumé* of the district reports:—

Northern Circle.

The valuation surveys in the sâl forests in *Ganjám* commenced by Mr. Hearsey in January 1899 and continued by Mr. Cox during the year were completed in March last. Pending the report of the working-plans officer no additional information was entered in the existing reserve books. The registers of yield for each reserve and the record of girth of sâl trees in the two sample plots in Gullery reserve were, as usual, maintained. In *Vizagapatam* there are no working-plans in force, but steps were taken towards the end of the year to collect information required for the preparation of two schemes. The planting and felling operations in the Bendamoorlanka and Kandikuppa plantations in *Gódávari* were carried out during the year in accordance with the sanctioned plans and temporary control books were maintained. Seventy-seven acres were planted with casuarina and 13·5 acres were felled. A sum of Rs. 350 was realised by the latter operation as against Rs. 270 which was anticipated; coupe I (32 acres) of Rameswaram reserve was sold and fetched Rs. 85. Working-plans in respect of four blocks comprising 49 square miles were approved by the Board during the year. In one of these blocks (Devancheruvu) 88 acres were worked over and a satisfactory rate of Rs. 5-8-0 per acre was realized from the fellings. An area of 3,324 acres was opened in the Upputeru mangrove reserve for the removal of fuel on permit, the receipts being Rs. 1,389. The prescriptions in respect of the

third plan (for Mallavaram) were not fully worked up to, owing to short demand from the Samalcota factory, which did not work for a portion of the year. The working of the fourth plan (for Kandikuppa) as well as of two others in respect of 6½ square miles which were approved by the Conservator during the year will commence from the current year. Seven plans in respect of about 22 square miles which had already been tentatively approved by the Conservator were also worked during the year, but the year's working has shown that they require some slight alteration. A preliminary plan for dealing with a large area (220 square miles) of timber forests was for the first time made in the district at the close of the year and the approval of the Conservator to the plan has since been obtained. In *Kistna*, the provisions of the Gopuvanipalem casuarina plantation scheme were for the most part adhered to. No fresh plans were framed: on the other hand the rough plans already prepared for two reserves had to be postponed as there was no demand for the wood. For the same reason no coupe of the Guntúr babul working circle was sold and the contractors were even unable to fell the whole of the coupes sold during the two previous years. No progress was made in *Kurnool* and *Anantapur*; but it is noted that Mr. Cowley-Brown is now inspecting the Nallamalais with a view to framing a plan for supply of fuel to the Southern Mahratta Railway Company. The provisions of the working-plan of the eastern slopes of Ramandrug range in *Bellary* were adhered to, as usual. Four coupes were opened for the manufacture of charcoal, and the bulk of the yield in the other compartments had to be transported to Bellary town and Hospet and Tornagal depots as there was not sufficient demand *in situ*. Mr. Muttanna, the District Forest-officer, after inspecting all the reserves in the district, formulated rough proposals to work them on a systematic basis and secured the Conservator's approval therefor. For reasons recorded in previous reports the Khojjipalli working-plan in *Anantapur* could again not be worked up to.

CENTRAL CIRCLE.

In *Cuddapah*, little progress was made in framing working-plans. The provisions of the Balapalle working-plan which is the only one sanctioned were adhered to. The area cut over was 40 acres and the yield was about 4 tons of fuel and 12 cart-loads of brush-wood per acre. In *Nellore*, good progress was made and plans for about 108 square miles (Kavali, the Casuarina plantations and Sríharikota) were sanctioned by the Board, as also the *parcellaire* scheme for the Rapur, Udayagiri and Kanigiri ranges. Five plans for 11 reserves of about 17 square miles were also approved by the Conservator at the close of the year, and the coupe lines are being cut in view to commence operations in the current year. The Survepalli, Nellore, Vavveru, Kothapalli, Casuarina plantation, Kavali and Sríharikota reserves were worked in accordance with the approved plans, but the plan for the Rapur-Yerrakondas had to be held in abeyance as no contractors came forward to purchase the produce. The casuarina plantations were worked departmentally and the actual outturn was 7,858 tons of wood against 10,889 tons estimated in the working-plan. A small quantity of the wood cut was sent to the Madras depot and the rest sold to contractors by weight. The net revenue realized was Rs. 26,294 and the average price obtained per ton at the canal bank and the Madras depot was Rs. 4–15–0 and Rs. 7–7–1 against Rs. 6 and Rs. 8–8–0, respectively, estimated in the working-plan. In the other reserves coupes were leased out to contractors. In *Chingleput*, the permit system was discontinued and the coupe system introduced. In the coupes worked, a number of trees were left as standards to provide small timber for the ryots for agricultural and domestic purposes. The net profit realized from the sale of the several coupes varied from Rs. 2 to Rupees 4–9–4 per acre, except the Meyyur plantation coupe of 30 acres which yielded a total profit of Rs. 1,250. In *North Arcot*, sufficient attention was not paid to this branch of the administration, the Divisional Forest-officer being otherwise engaged. The special working-plans officer appointed for the circle will, however, begin work in this district. The existing working schemes in *South Arcot*, *Salem*, *Tanjore* and *Trichinopoly* were all adhered to during the year except that for the Upper Anicut padugais in Trichinopoly which was again deviated from for the reasons explained in the report for the previous year. In *Salem*, very fair progress was made in the selection of the location of working-circles and it is expected that plans for several

hundred square miles will be ready before the end of the current year. The fellings in the Vettangudi forest in *Tanjore* realized Rs. 880 against Rs. 600 in the previous year.

SOUTHERN CIRCLE.

The only block in *South Canara* for which a regular working-plan has been approved by the Board is Sarpanamane, and coupe No. IV (44 acres) was worked during the year by a contractor who paid Rs. 440. Some progress was made in this district in the collection of statistics for framing plans in respect of three blocks in Coondapoor taluk, but little was done in this direction in *North Malabar* as the District Forest-officer's time was otherwise taken up. In *South Malabar*, the Chenat Nair reserve was worked on the selection system on a rough plan and 500 candies of timber were cut during the year. The Walayar working scheme was again held in abeyance to give rest to the forest which will remain closed till the year 1905. Thinning operations were conducted according to the plan over an area of 670 acres in the Nilambur teak plantations and in all 7,383 saplings were cut, of which only a very small number were unfit for sale. The prescriptions of the working-plan for the natural forests of the Nilambur valley were followed. Owing to the situation of the coupe on hilly ground the outturn was, however, poor. The 80 acres in coupe I of Karimpoya reserve which were cleared during the previous year at a cost of Rs. 2,388 was planted up during the year at a cost of Rs. 492. In the same coupe another block of 125 acres was cleared and prepared for planting. The operations cost Rs. 3,649, but the timber was sold for only Rs. 3,000. In the *Nilgiris* a preliminary working-plan was drawn up for the whole of Benne forests (14 square miles) with a view to regulate the extraction of timber especially *Terminalia tomentosa* required for sleeper operations. Mr. Gamble's working-plans for the Ootacamund and Coonoor plantations, modified according to the state of demand, were worked up to, the method of treatment being simple coppice; while the plan for the fuel plantations of Ootacamund drawn up by Mr. Tireman was held in abeyance, the demand not justifying its introduction. Improvement fellings were carried on in the Mudumalai range in accordance with the principles recommended by Mr. Popert and 325 acres were felled against 300 in the previous year. Working-plans for the sandalwood areas in *North Coimbatore* drawn up by Mr. P. M. Lushington were sanctioned during the year and given effect to. The fuel coupes referred to in the previous year's report proved too large for the demand and a proposal to reduce their size is under consideration; the results in the Thottampalayam working-circle were not favourable even under the modified scheme. The denuded slopes of the Anamalais in Udumalpet taluk in *South Coimbatore* were carefully inspected during the year by the District Forest-officer. The area is reported to require complete rest for a series of years and the preparation of the working-plan for this area and for the extension to the Sholakarai working-circle will be left for the special officer to complete. The provisions of the Ayarangal working-plan were followed as usual and one coupe of 40 acres was cut with satisfactory results, yielding 2,200 cart-loads of fuel against the estimated quantity of 800 cart-loads; but 1,783 cart-loads of the wood cut remained unsold at the close of the year and the yield promises to be in excess of the demand. The operations in the Chinnar and Singara tope working-circles, which were in arrears during previous years, were brought up to date. Of the two coupes prescribed for the year 1899–1900 in each of the two working-circles, one was worked departmentally and the other by a contractor, but the results of the operations in the Chinnar working-circle were not on the whole good. The coupe worked by the contractor in the Singara tope working-circle yielded fairly good results, but the results of the departmental operations were not satisfactory. In *Madura*, working-plans for the whole of Palamedu and Kanavoipatti ranges, comprising 248 square miles, were submitted to the Board and have since been sanctioned. The method of treatment proposed is coppice with a rotation of 30 years. The sanctioned working-plans in *Tinnevelly* were in force and all the coupes except one were worked by contractors with fairly satisfactory results. It is, however, stated that the periods of rotation require revision, and steps will be taken to determine accurately the rate of growth. The coupe set down for felling during the year in the Bangarkoil working-circle in the Srívilliputtúr range was not sold owing to the poorness of the growth.

(b) *Annual Plan of Operations.*

19. The sanctioned programmes were generally adhered to in all the districts except *Ganjám*, *Gódávari*, *Kistna* and *Kurnool* in the Northern Circle, *Chingleput* and *South Arcot* in the Central Circle and *South Canara*, *North Malabar*, *South Malabar*, the *Nilgiris* and *North and South Coimbatore* in the Southern Circle. The subject has not been dealt with in the reports from *Nellore* and *Salem*. In *Ganjám*, the programme was too large for the staff to carry out and had to be revised. The funds intended for the extraction and transport of sleeper-logs from the Rekapalli hills in *Gódávari* were utilized for line-clearing undertaken as a famine work. The change was necessitated by the drought. Two tanna sheds were not constructed for want of water and another for want of a good site. On the other hand three wells not provided for but urgently required were constructed. In *Kistna*, some of the roads were not undertaken the budget provision having been reduced by Government. The silt from the Hamsaladivi canal was cleared though not provided for. The change of officers in *Kurnool* accounted for the divergences from the plans in that district. Certain demarcation works proposed were not done while the construction and repair of certain roads and buildings were carried on outside the plan. Owing to the drought that prevailed during the greater part of the year cultural operations in *Chingleput* were not fully carried out. The felling of certain coupes proposed to be done on contract had to be undertaken departmentally as no purchasers came forward, and for the same reason several coupes remained unsold. In *South Arcot*, the progress anticipated under "demarcation" could not be made for want of competent foresters; the exploitation of bamboos in the Nattampalli block was undertaken departmentally to provide living for the Malayalees of Chekkadi; all the fuel coupes proposed could not be worked. The construction of certain roads and buildings in *South Canara* had to be postponed to provide funds for the more urgent work of final demarcation for the Survey of India Party. In *South Malabar*, certain works were not executed for want of labour and new works had to be undertaken in connection with sleeper operations; while, in *North Malabar*, the felling of trees for sleepers interfered with the carting of 1,300 cubic feet of Benteak to Mysore and minor produce was collected by the purchasing contractors instead of departmentally. To give rest to the forests no timber operations were carried out in the *Nilgiris* except those required for sleepers. The sale of charcoal was also impeded, the proprietors of the breweries, the chief consumers, having made private arrangements for the supply. In *North Coimbatore*, the chief deviations consisted in the construction of a minor produce godown and the alignment of a road trace, the works being found to be urgently required. Owing to brisk demand it was also found advisable to undertake timber operations in the Kollegal range which proved a success. In *South Coimbatore*, the felling of posts and poles in the extension of the Sholakarai working-circle was not carried out owing to absence of demand. A rest-house and quarters for the subordinate establishments were not built as the buildings were not considered urgent. For the same reason the digging of a well near the workshop below Mount Stuart was postponed.

(2) Working of the year.

(a) *Roads and Communications.*

20. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1898–99.	1899–1900.
	RS.	RS.
Roads and bridges	38,614	33,229
Buildings	49,409	43,931
Other works	5,376	9,148

Compared with the figures of the previous year, there was a decrease in the expenditure under "roads and bridges" and under "buildings" and an increase under "other works." The decrease was for the most part due to the fact that only important new works were taken in hand.

In the Northern Circle a sum of Rs. 12,635 was spent on "roads and bridges." A large portion of this expenditure was incurred in *Gódávari* and *Kurnool*. The work in the former district consisted, besides repairs to the existing roads, in the construction of (i) 14 miles of the Ramanayyapet-Lodiddi road at a cost of Rs. 3,425 in continuation of the portion already completed, (ii) timber tracks in the Rekapalli reserve of the Bhadráchalam taluk at a cost of Rs. 1,350 for opening up the forests, and (iii) one mile of Chemanapalli road. In *Kurnool*, the chief work carried out was the construction of 14 miles of Pogapada-Chinnamantarala road costing Rs. 3,061, of which only Rs. 2,511 was paid during the year and the balance after its close. Four new roads of a total length of 21 miles were made in *Kistna* at a cost of Rs. 1,229, while in *Anantapur* four inspection paths and three roads of a total length of 21 miles were constructed at a cost of Rs. 967. The widening and draining in parts of the Kondapalli hill road in the former district referred to in the last year's report was completed during the year. The marked decrease in expenditure on roads in *Bellary* was accounted for by the fact that no new work was undertaken in the leased forests in view of the approaching termination of the lease. The new works and repairs undertaken in the remaining districts in the circle were comparatively unimportant.

In the Central Circle the amount expended on roads was Rs. 5,232. About 50 per cent. of this expenditure was incurred in *North Arcot*, where the Patracad ghât road was extended by 2 miles and 105 miles of existing roads were repaired.

In the Southern Circle the expenditure on roads amounted to Rs. 15,362, and the bulk of this amount was spent in repairs, chiefly in *North* and *South Coimbatore* and *Tinnevelly*. In *North Coimbatore* a sum of Rs. 3,054 was spent in repairing the two main ghât roads from Hassanur to Lokkanhalli and from Aggipuram to Chellampalayam, and among new works may be mentioned the cutting of a trace from Kempanaikenpalayam to Bylur in the Satyamangalam taluk. In *South Coimbatore* a considerable sum was expended on the installation of the wire ropeway at Mount Stuart. In *Tinnevelly* the existing roads and bridle-paths were repaired, while in *South Malabar* work was done on 4 miles of road from Mandakadava to the ghât and on compartment roads in the young plantations in coupe No. I of the Karimpoya reserve.

Under "buildings" the most important work undertaken during the year in the Northern Circle was the construction of a rest-house at Chulakanchalli in *Bellary*, and the completion of another at Rollapalli in *Anantapur*. A large outlay was incurred in *Kurnool* in completing the repairs to the Cumbum, Adutla and Papinesaipalli rest-houses and in executing minor repairs to Mantrala rest-house, to Nandyal and Atmakur range houses and to some tannas. Houses for subordinate establishments were also built in some of the districts, and repairs were carried out to existing buildings. In the Central Circle a few rest-houses were constructed and some others were in course of construction. Over a thousand rupees were spent in *Cuddapah* in repairing the bungalows and other buildings. Sundry repairs were also made to the existing buildings in other districts. In the Southern Circle, the chief works of importance were the construction of (i) a new District Forest office at Nilambúr in *South Malabar* and (ii) a portion of a godown at Satyamangalam in *North Coimbatore* for storing minor forest produce, at a cost of Rs. 3,764. A sum of Rs. 1,794 was spent on the former work and arrangements were made for its completion. The Kadiki rest-house in *South Canara* and certain buildings in the High Waving mountains in *Madura* were also completed. There were no important works in the other districts, but sundry works of construction and repair were executed in all districts.

21. *Tramways.*—The $3\frac{1}{2}$ miles of tramway in Cuddapah were transferred to Nellore during the year with the approval of the Conservator of Forests, Central Circle. The tramway in Sríharikóta range in Nellore is 4 miles long and that in the casuarina plantation range $6\frac{1}{2}$ miles. The quantity of wood carried by it in the former range was 4,917 tons or 19,666 ton miles as against 25,265 in the previous year, while that carried in the latter range was 2,011 tons or 13,074 ton miles against 3,677 in 1898–99. The system of dragging the trucks by buffaloes instead of by men was introduced in Nellore during the year with considerable success, and it is proposed to extend the

system. The tram line in South Coimbatore was extended by a lengthof 3 furlongs to compartment No. 12 of the Tekadi leased forest at a cost of Rs. 310. The total quantity trammed on that line was 36,143 cubic feet against 14,988 cubic feet in 1898–99. It is reported that a much larger quantity would have been trammed but for the refusal of the contractor to load larger quantities except on terms which it was impossible to accept and the difficulty in securing contractors for the purpose. It is, however, contemplated to supplement the transport arrangements by purchasing a considerable number of draught animals. In pursuance of this proposal, the Collector recently applied for and the Board sanctioned the purchase of 10 pairs of bullocks at a cost of Rs. 1,500. The orders of Government on the subject of arriving at an estimate of the utility of the tramways maintained by the Madras Forest Department were received after the close of the year.

(b) *Protection of Forests from Injury.*

(1) General Protection and Breaches of Forest Laws.

22. The following statement compares the new cases of the year with particulars of last year :—

Circle.	Year.	Number of cases pending at commencement of the year.	New cases of the year.					Total cases.	Cases pending at close of the year.
			Injury by fire.	Unauthorised felling, &c.	Illicit grazing.	Other offences.	Total new cases.		
Northern ..	1898–99	665	35	2,580	1,793	320	4,728	5,393	629
	1899–1900 ..	629	27	2,728	1,891	301	4,947	5,576	602
	Difference ..	— 36	— 8	+ 148	+ 98	— 19	+ 219	+ 183	— 27
Central ..	1898–99 ..	1,078	17	4,879	5,264	401	10,561	11,639	1,305
	1899–1900 ..	* 1,301	87	6,241	5,615	443	12,386	13,687	1,853
	Difference ..	+ 223	+ 70	+ 1,362	+ 351	+ 42	+ 1,825	+ 2,048	+ 548
Southern ..	1898–99 ..	457	92	1,613	1,107	194	3,006	3,463	430
	1899–1900 ..	430	209	1,846	841	221	† 3,117	3,547	450
	Difference ..	— 27	+ 117	+ 233	— 266	+ 27	+ 111	+ 84	+ 20
Presidency ..	1898–99 ..	2,200	144	9,072	8,164	915	18,295	20,495	2,364
	1899–1900 ..	2,360	323	10,815	8,347	965	20,450	22,810	2,905
	Difference ..	+ 160	+ 179	+ 1,743	+ 183	+ 50	+ 2,155	+ 2,315	+ 541

* *Vide* explanation in Form No. 50 for variations in opening balances.
† Excludes petty offences in South Canara.

The total of new cases reported during the year increased by 11·7 per cent. for the Presidency and the increase was spread over all heads of offences. The largest increase (17·2 per cent.) was again in the Central Circle. In *Kurnool*, *North Coimbatore*, *South Coimbatore* and *Vizagapatam* crimes decreased by 24·6, 18·4, 16·7 and 16·4 per cent., respectively, and also slightly in *Anantapur*, *North Arcot*, *Tinnevelly*, *Madura* and *South Malabar*. This decrease was more than compensated by increase in the other districts, notably in *Kistna*, *Bellary*, *Chingleput*, *Salem*, *Tanjore* and *South Canara*, where the numbers rose from 1,011, 595, 915, 1,938, 74 and 533 to 1,386, 844, 1,759, 2,494, 270 and 880, respectively. The general increase in the number of offences was the result of the scarcity that prevailed. It was also partly due to better supervision and increased vigilance on the part of the protective staff and to the inclusion in the returns of a comparatively larger number of undetected cases in *South Arcot*, *Salem*, *South Canara*, *Madura* and *Tinnevelly*. The number of forest offences reported in the different districts varies largely, and *South Arcot* and *South Canara* still continue to be first and second in the list. *North Arcot* and *Salem*, which stood third and fourth in the previous year, have changed places, and *Chingleput*, which has risen three places ranks fifth. The abnormal rise in the number of cases reported in the last mentioned district is explained to be due chiefly to the increased vigilance of the

protective staff and to the system of treating the case of every individual concerned with others in the commission of an offence as a separate charge. This explanation does not, however, appear to be satisfactory, seeing that the system was the same in the previous years, but the scarcity that prevailed throughout the year under report possibly contributed in a measure to the increase.

The cases of "injury by fire" increased in the Central and Southern Circles, notably in *North Arcot*, *South Arcot*, *Salem*, *South Canara*, *the Nilgiris* and *Madura*. Most of these cases were undetected and it was impossible to get any clue to the delinquents; most cases were believed to be due to incendiarism. In *South Canara* alone 123 cases were reported, and 97 of these were undetected. "Unauthorized felling" increased largely in *Kistna* and *Bellary* in the Northern Circle, *South Canara* and *Madura* in the Southern Circle and in all the districts except *Nellore* and *North Arcot* in the Central Circle. The increase was but slight in *Ganjám*, *Gódávari*, *Nellore*, *North Malabar* and *North Coimbatore*. In the other districts there was a fall in the number of offences of this description, notably in *Vizagapatam*, *Kurnool*, *North Arcot* and *South Coimbatore*. The majority of the cases in *Kistna* related to the removal of the leaves of *Hardwickia binata*, &c., for fodder. As fodder became scarce the closed areas were opened to stripping of leaves on payment of seigniorage which was reduced to 3 pies per head-load; nevertheless many attempts were made to evade payment. In *Bellary*, the labouring classes being deprived of their usual livelihood on account of the scarcity are reported to have taken to illicit fuel trade, which in most cases was confined to the removal of head-loads. The large increase in *South Canara* has not been explained. A considerable number of timber thefts in *Madura* was committed by the Kallars living in the villages near the forests of Cumbum range. In *Cuddapah*, the increase was the result of the prevalence of famine, while in the other districts more efficient supervision is given as the cause. The decrease in *Vizagapatam*, *North Arcot* and *Kurnool* has not been explained by the Collectors, but the Conservator, Northern Circle, considers it to be due probably in the first mentioned district to reduced protection consequent on the change of officers. It is satisfactory to note that the decrease in *South Coimbatore* is believed to have been due to the better knowledge of the people of the provisions of the Timber Transit Rules. "Grazing offences" showed a fall in *Kurnool* in the Northern Circle, *Cuddapah*, *South Arcot* and *Trichinopoly* in the Central Circle and *North Coimbatore*, *South Coimbatore*, *Madura* and *Tinnevelly* in the Southern Circle. In *Anantapur* the cases reported were nearly the same in the two years. In the other districts, there was an increase which was for the most part due to better detection and to the unusually dry weather. In *North Arcot*, there was much illicit browsing by goats, and it is under consideration to levy double pound-fees in certain localities. A scheme for goat-browsing is also reported to have been completed. In *Kurnool* and *Cuddapah*, the decrease was apparently the result of the concession of free grazing allowed in the reserves and in *South Arcot*, grazing in reserves was not sufficiently attractive. In *Trichinopoly* and *South Coimbatore*, the permission accorded to graze cattle in several reserves previously closed to grazing accounted for the decrease, while in *North Coimbatore* it is reported to be due to cattle owners beginning to realise the necessity for taking out permits. The fall in *Madura* was due to better supervision, and the increased grazing revenue obtained seems to support this view. The number of cattle impounded in the Tiruvannámalai taluk and the amount of pound-fees, compensation and fines levied for the three years since the enhanced rate has been in force are shown in the following statement:—

Year.	Number of animals.	Pound-fees.	Compensation.	Fines.	Total.
		RS.	RS.	RS.	RS.
1897–98	19,758	3,478	3,940	711	8,129
1898–99	18,722	3,940	2,710	823	7,473
1899–1900	11,433	2,728	2,105	528	5,361

The number of animals dealt with and the money paid were less than in the previous two years, but the Collector is of opinion that it would be hasty to jump to the conclusion that trespasses have decreased.

Under "other offences" there was a decrease in all the districts except *Kistna*, *Cuddapah*, *Salem* and *North Coimbatore*, where there was a large increase. Neither the increase nor the nature of the offences have been explained in the first three districts. In *North Coimbatore*, it was due to the detection of a large number of cases of unauthorized cultivation, but the convictions in most of these cases were quashed on appeal on technical grounds. Illicit clearing of jungle for cultivation is reported to be rife also in *Ganjám*.

The number of cases pending at the close of the year was 2,905 against 2,364 in the previous year.

23. The disposal of offences during the year is compared with that of the previous year in the following abstract:—

Circle.	Year.	Total.	Withdrawn.				Compounded.		Prosecuted.		Percentage of cases prosecuted to disposals.	Percentage of acquittals to cases prosecuted.
			Undetected.	Withdrawn.	Total.	Percentage of column 6 to col. 3.	Number.	Percentage.	Convicted.	Acquitted.		
Northern.	1898–99 ..	4,764	168	549	717	15·1	2,355	49·4	1,446	246	35·5	14·5
	1899–1900..	4,974	170	620	790	15·8	2,822	56·7	1,165	197	27·5	14·5
	Difference.	+ 210	+ 2	+ 71	+ 73	+ 0·7	+ 467	+ 7·3	— 281	— 49	— 8·0	..
Central.	1898–99 ..	10,334	17	1,160	1,177	11·4	6,390	61·8	2,407	360	26·8	13·0
	1899–1900..	11,834	515	952	1,467	12·4	7,543	63·7	2,501	323	23·9	11·4
	Difference.	+ 1,500	+ 498	—208	+290	+ 1·0	+ 1,153	+ 1·9	+ 94	— 37	— 2·9	— 1·6
Southern.	1898–99 ..	3,033	82	388	470	15·5	1,325	43·7	1,090	148	40·8	11·9
	1899–1900..	3,097	347	352	699	22·5	1,289	41·7	959	150	35·8	13·5
	Difference.	+ 64	+ 265	— 36	+229	+ 7·0	— 36	— 2·0	— 131	+ 2	— 5·0	+ 1·6
Total, Presidency.	1898–99 ..	18,131	267	2,097	2,364	13·0	10,070	55·6	4,943	754	31·4	13·2
	1899–1900..	19,905	1,032	1,924	2,956	14·9	11,654	58·5	4,625	670	26·6	12·7
	Difference.	+ 1,774	+ 765	—173	+592	+ 1·9	+ 1,584	+ 2·9	— 318	— 84	— 4·8	— 0·5

The proportion of acquittals to cases dealt with by the magistracy increased and decreased in the Southern and Central Circles respectively by 1·6 per cent. but remained the same in the Northern Circle, the net result being a very slight improvement (0·5 per cent.) for the Presidency. Taking the districts individually, the acquittals increased by 14·3 per cent. in *Kurnool* and 6·7 per cent. in *Kistna*, the percentages standing as high as 24·3 per cent. and 21·2 per cent. respectively and decreased in the other districts of the Northern Circle. This state of things in *Kurnool* is reported to be the result of an order passed without the Collector's knowledge directing Range officers to submit offence reports for orders without any preliminary enquiry in consequence of which a large number of cases failed. It is, however, reported that the order has been cancelled. The increase in *Kistna* is ascribed partly to reluctance on the part of Magistrates to accept the uncorroborated testimony of forest subordinates. In *Vizagapatam* where the percentage fell from 11 to 3, all the ten cases acquitted appertained to the Palkonda range and in the absence of information of the number of cases tried by the magistracy in that range no conclusions can be drawn as to whether the results were satisfactory or not. In the Central Circle acquittals increased in *Salem*, *Trichinopoly* and *Tanjore* by 6·2, 3·5 and 7·4 per cent. and in *Tinnevelly*, the *Nilgiris* and *South Coimbatore* in the Southern Circle by 6·3, 15·3 and 2·9 per cent., respectively, while they decreased in *Cuddapah*, *Nellore*,

North Arcot, *South Arcot* and *North Coimbatore* by 7·5, 1·7, 3·9, 4·3 and 2·1 per cent., respectively. In *Salem* and the *Nilgiris* the prosecution of the cases was badly conducted by the forest subordinates, while in *Trichinopoly* and *Tinnevelly* the Magistrates were unwilling in many cases to accept the unsupported evidence of forest subordinates. The increase in *South Coimbatore* and *Tanjore* was due to the larger number of cases taken before the Magistrates. In *South Canara* the percentage still stood at the high figure of 20 and was due partly to the delay by the land revenue authorities in reporting crimes committed in unreserved lands; 25 out of the 44 cases acquitted during the year in the district broke down in this way.

The percentage of cases withdrawn to cases disposed of increased largely (7 per cent.) in the Southern Circle and slightly in the Northern and Central Circles. The figure for the Presidency was also worse by 1·9 per cent. In the Northern Circle the large increase in *Ganjám* (13 to 19·3 per cent.), *Gódávari* (22·6 to 27·6 per cent.), *Kurnool* (8·5 to 17·4 per cent.), *Bellary* (12 to 15·4 per cent.) and *Anantapur* (11 to 18·3 per cent.) was almost counterbalanced by the large falling off in *Vizagapatam* (22 to 15·8 per cent.) and *Kistna* (15·5 to 9 per cent.). The inclusion of a larger number of undetected cases in the returns in *Ganjám* and *Kurnool* contributed partly to the increase in these districts, and in the latter district it was also due to many old cases dating as far back as 1896 having been struck off the file as there was little chance of getting convictions after such a long delay, which delay, however, has not been explained. In *Gódávari* most of the cases were withdrawn after a warning, and in several doubtful cases of illicit grazing in *Bellary* the graziers were allowed the option of taking out permits. In *Anantapur* some of the offences withdrawn were of a petty nature, and in some the evidence was insufficient. A few cases were also withdrawn on account of the delay in reporting them. *Cuddapah* and *North Arcot* in the Central Circle showed a fall of 7·5 per cent. and 2·3 per cent., respectively. In the other districts of the Presidency the percentages rose,—very largely in *Nellore*, *South Arcot*, *Salem*, *Tanjore*, *South Canara*, the *Nilgiris*, *South Coimbatore* and *Madura*, viz., by 15·2, 4·8, 19·3, 7·9, 16·4, 8, 13·8 and 4·7 per cent., respectively. In *Nellore*, 36 per cent. of the cases withdrawn related to goat browsing and in all the other districts except *South Coimbatore* the increase was for the most part due to the very large number of undetected cases reported during the year and shown as withdrawn in the returns. In *South Canara*, more than 50 cases were withdrawn for want of evidence and also all cases which appeared suspicious in *South Coimbatore*. The percentage of cases compounded diminished again in the Southern Circle, while it increased largely (7·3 per cent.) in the Northern Circle and slightly (1·9 per cent.) in the Central Circle. The number of cases compounded increased very largely in *Kistna* and *Bellary* in the Northern Circle; *Chingleput*, *Salem*, *Trichinopoly* and *Tanjore* in the Central Circle; and *South Canara* in the Southern Circle. As stated in the reports of previous years the Board believes that only serious cases were taken before the Magistrates, while, speaking generally, all the grazing cases and offences of a petty nature in which there was clear evidence of guilt were compounded.

The following statement compares the amount of compensation realised during the year in each circle and the average amount per case and per person involved, with those of the previous year :—

Circle.	During 1898–99.			During 1899–00.		
	Amount realised.	Average per case.	Average per person accused.	Amount realised.	Average per case.	Average amount per person accused.
	RS.	RS. A. P.	RS. A. P.	RS.	RS. A. P.	RS. A. P.
Northern	17,092	7 4 1	2 11 9	16,495	5 13 6	1 14 1
Central	37,630	5 14 2	2 8 5	49,042	6 8 1	2 14 3
Southern	8,921	6 11 8	2 10 1	6,709	5 3 3	2 1 5
Total ..	63,643	6 5 1	2 9 7	72,246	6 3 2	2 7 11

There was again a satisfactory reduction in the average amount paid per person in the Northern and Southern Circles as well as in the Presidency generally, while it increased in the Central Circle. The total amount realised decreased in the Northern and Southern Circles and increased very largely in the Central Circle, the net result being also an increase for the Presidency. The increase was accompanied by a rise in the number of cases compounded. In *Kistna*, *Chingleput*, *North Arcot*, *Salem*, *Trichinopoly* and *Tanjore* the amount collected rose from Rs. 4,225, Rs. 1,006, Rs. 8,839, Rs. 5,898, Rs. 3,499 and Rs. 99 to Rs. 6,005, Rs. 2,656, Rs. 11,923, Rs. 12,026, Rs. 4,645 and Rs. 510, respectively, while it fell in *Kurnool*, *Bellary*, *South Arcot* and *Tinnevelly* from Rs. 4,058, Rs. 5,308, Rs. 15,474 and Rs. 3,454 to Rs. 2,862, Rs. 4,337, Rs. 14,859 and Rs. 1,956, respectively. It is reported that in *North Arcot* higher rates were levied on old offenders and in cases of illicit browsing with a view to produce a deterrent effect. This fact and the larger number of goats detected in each case contributed to the increase in the district. The increase in *Salem* was the result of the large increase in the number of cases compounded and of the levying of a higher rate in goat-browsing cases.

In *Gódávari*, a case of forgery of a permit was detected in the Bhadráchallam sub-division and the accused was sentenced to a year's rigorous imprisonment and a fine of Rs. 200. A curious case of impersonation was also detected, in which the offender pretended that he was an officer of the Survey Department with authority to exclude portions of reserved forests and actually went about the Peddapuram range altering the boundaries and handing over the lands thus excluded for a consideration, to the villagers for purposes of cultivation. He was convicted and sentenced to three months' rigorous imprisonment. One case of illicit felling and removal of about 83 maunds of sandalwood was detected in *North Coimbatore*. Two of the twenty persons charged were convicted and sentenced to six and three months' simple imprisonment and a fine of Rs. 500 and Rs. 200, respectively. On appeal, however, the District Judge reduced the sentence to 25 days' simple imprisonment and a fine of Rs. 50 each. Two other persons were charged with illegal shooting of an elephant and were sentenced to undergo two and one and a half months' rigorous imprisonment and to pay a fine of Rs. 100 and Rs. 10, respectively. An appeal has been preferred and is pending with the Deputy Magistrate. The convictions in three out of five cases under the Sandal Transit Rules were appealed against and quashed. A sentence of six months' rigorous imprisonment was awarded to a man who was charged with extortion and falsely personating a forest guard. In *South Coimbatore* a wealthy and influential ryot of Méttupálaiyam was charged with illicit cutting of a large number of trees on poramboke land worth about Rs. 2,000 and sentenced to three months' imprisonment and a fine of Rs. 1,000. An appeal was preferred to the Sessions Judge, who confirmed the sentence. In another case twenty-four men, residents of Madura, committed theft of vengai trees on the Anamalais, and the Range officer who tried to seize the timber with the help of a few watchers was assaulted and forcibly taken to Palni. The case was enquired into by the Head Assistant Magistrate and three of the principal offenders received exemplary punishment, one being sentenced to four years, and the other two each to two years and nine months' rigorous imprisonment. There were no cases of importance worth noting in the other districts.

24. Rewards were, as a rule, very sparingly granted during the year. Rs. 346 were disbursed to informers (including forest subordinates) and Rs. 201 to the subordinates of the Abkári department. No information on the subject is contained in the reports from *Madura* and *Tinnevelly* and no disbursements were made in the districts of *Ganjám*, *Kurnool*, *Bellary*, *Cuddapah*, *Nellore*, *Salem*, *Trichinopoly*, *Tanjore*, *North Malabar*, *South Malabar* and *South Coimbatore*. In *Anantapur* Rs. 183 were disbursed to the subordinates of the Abkári department in respect of ten cases. In *North Arcot* rewards were given to forest subordinates for detecting serious cases of illicit goat-browsing: the great prevalence of goats and the connivance of subordinates in goat-browsing in reserves constitute a very difficult problem. In all Rs. 110 were paid to the forest subordinates in this way. The statements prescribed by the Government of India are appended below:—

No. I.

Circle.	Cases taken into Court. Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Cases compounded. Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.
1	2	3	4	5	6	7	8	9
Northern	9	888	507	105	5	1,745	1,340	178
Central	9	1,651	1,376	176	3	4,236	4,092	233
Southern	32	623	374	120	8	1,110	411	94
Total ..	50	3,162	2,257	401	16	7,091	5,843	505

Circle.	Cases undetected. Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total cases. Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Grand total of cases.
	10	11	12	13	14	15	16	17	18
Northern	13	95	44	18	27	2,728	1,891	301	4,947
Central	75	354	147	34	87	6,241	5,615	443	12,386
Southern	169	113	56	7	209	1,846	841	221	3,117
Total ..	257	562	247	59	323	10,815	8,347	965	20,450

No. II.

Division.	Details of prosecutions for offences by fire.					
	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
Vizagapatam *	1	10 acres.	Careless	Withdrawn	....	....
	2	4 ,,	Do.	Convicted	Section 21 (*b*) of the Forest Act	Sentenced to rigorous imprisonment for fifteen days.
	3	1,280 ,,	Do.	Do.	Do. do.	Eleven persons were fined Rs. 2 each.
	4	640 ,,	Intentional	Do.	Do. do.	Six accused were fined Rs. 2 each, in default eight days' rigorous imprisonment each.
	5	1,760 ,,	Do.	Do.	Section 26 of the Forest Act	Fined Rs. 5, in default five days' rigorous imprisonment.
	6	2 ,,	Careless	Do.	Do. do.	Three were fined Rs. 5 each, in default four days' rigorous imprisonment.
Gódávari	1	15 ,,	Intentional	Do.	Section 21 of the Forest Act	Fined Rs. 15.
	2	100 ,,	Do.	Withdrawn	....	Withdrawn for want of direct evidence.
	3	160 ,,	Do.	Convicted	Section 21 (*b*) of the Forest Act	Two were fined Rs. 3 each.
Kistna	1	2 ,,	Careless	Do.	Do. do.	Fined Rs. 45.
	2	2 cents.	Do.	Compounded	....	Compounded for Rs. 7.
	3	1 furlong.	....	Do.	....	Do. for ,, 3.
Kurnool	1	No information.	Intentional	Convicted	Section 21 (*b*) of the Forest Act	Two were fined Rs. 20 each. This is the case shown as pending last year.
	2	8,025 acres.	Do.	Do.	Do. do.	Sentenced to simple imprisonment for one month.
Bellary	1	*Nil.*	Do.	Compounded	Section 21 of the Forest Act	Compounded for Rs. 5.
	2	Do.	Do.	Do.	Do. do.	Do. for Re. 1.
	3	Do.	Do.	Do.	Do. do.	Do. for Rs 5.
	4	Do.	Do.	Pending	Do. do.	....
Cuddapah †	1	No information.	Do.	Convicted	Do. do.	Two were sentenced to fifteen days' rigorous imprisonment each.
	2	½ acre.	Do.	Do.	Do. do.	Two were sentenced to two weeks' rigorous imprisonment each.
	3	No information.	Do.	Pending	....	....
North Arcot	1	50 acres.	Do.	Convicted	Section 21 (*b*) of the Forest Act	Fined Rs. 20, in default to undergo one month's rigorous imprisonment.
South Arcot	1	3 ,,	Do.	Pending	Do. do.	....
Salem	1	5 ,,	Do.	Convicted	Do. do.	Four were fined Rs. 5 each, in default to undergo twenty days' rigorous imprisonment.
	2	No information.	Do.	Do.	Do. do.	Fined Rs. 30, in default seven days' simple imprisonment.
	3	About 10 acres.	Do.	Do.	Do. do.	Sentenced to undergo fifteen days' rigorous imprisonment.
	4	No information.	Do.	Do.	Do. do.	Twelve were fined Rs. 10 each, in default fifteen days' rigorous imprisonment each.
	5	Do.	Do.	Do.	Do. do.	Fined Rs. 20, in default a fortnight's rigorous imprisonment.
	6	Do.	Do.	Do.	Do. do.	Sentenced to four weeks' rigorous imprisonment.
South Canara ‡	1	29 acres.	Careless	Do.	Do. do.	Fined Rs. 28.
	2	8 ,,	Do.	Compounded	Rules under section 26 of the Forest Act	Compounded for Rs. 15.
	3	2 ,,	Intentional	Withdrawn	....	....
	4	72 ,,	Do.	Convicted	Section 21 (*b*) of the Forest Act	Fined Rs. 20.
	5	408 ,,	Do.	Compounded	Do. do.	Compounded for Rs. 26.
	6	504 ,,	Do.	Acquitted	....	....

* Of the three cases pending at the close of the year, two were withdrawn, and the accused in the other were fined Rs. 2 each.
† In Form No. 50 two cases are recorded as "taken to Court" and two cases as "compounded." The variation has not been explained.
‡ Do. eighteen cases do. and eight cases do. do.

No. II—*cont.*

Division.	Details of prosecutions for offences by fire.					
	Serial No. of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
North Malabar	1	30 acres.	Careless	Acquitted	....	....
The Nilgiris	1	320 ,,	Intentional ..	Convicted	Section 426, Indian Penal Code ..	One was sentenced to three months and twenty-five days' rigorous imprisonment, and another to twenty-five days' rigorous imprisonment.
	2	1,060 ,,	Do. ..	Pending	....	....
	3	30 ,,	Do. ..	Acquitted	....	....
	4	Not given.	Accidental ..	Withdrawn ..	....	....
North Coimbatore ..	1	*Nil.*	Careless	Convicted	Section 21 of the Forest Act	Fined Rs. 5.
	2	About 9 miles.	Do. ..	Acquitted	Do. do.	....
	3	*Nil.*	Do. ..	Convicted	Do. do.	Fined Rs. 3.
	4	740 acres.	Intentional ..	Pending	....	....
	5	*Nil.*	Careless	Convicted	Section 21 of the Forest Act ..	First accused was fined Rs. 5, and the second Rs. 10.
South Coimbatore ..	1	15 acres.	Do. ..	Do.	Do. do. ..	The accused (two women) were fined Rs. 2 each, in default two days' simple imprisonment.
	2	400 ,,	Do. ..	Acquitted	....	This is the case shown as pending at the close of the previous year.
Madura	1, 2	....	Intentional ..	Pending	....	....
Tinnevelly	1	1,000 acres.	Do. ..	Convicted	Section 21 (*b*) of the Forest Act ..	Of the 16 accused, one was fined Rs. 35, in default to undergo two months' rigorous imprisonment and the rest were acquitted.
	2	300 ,,	Do. ..	Do.	Not stated	Sentenced to two months' rigorous imprisonment and to a fine of Rs. 15, in default additional imprisonment for fifteen days. This is the case shown as pending at the close of the previous year.

No. III.

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines. Number of fires.	A. Area burnt in acres.	B. Fires entering the forests by crossing exterior fire traces. Number of fires.	B. Area burnt in acres.	C. Fires beginning inside the reserve or fire traced areas. Owing to carelessness or accident. By workmen employed in the forests, by purchasers of forest produce, and by Yah-cutters. Number of fires.	Area burnt in acres.	By villagers, travellers, &c., passing through the forests. Number of fires.	Area burnt in acres.	By railway engines. Number of fires.	Area burnt in acres.	By lightning or by fire-balloons. Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	..	..	2	24	..	..	26	1,356	..	..	..	..
Vizagapatam	..	..	..	..	4	1,296	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	2	155	..	..	..	..
Kistna	..	..	1	360	..	..	1	3	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	3	825	2	10,000	..	..	..	..	..	..	..	..
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..
Total, Northern Circle ..	3	825	5	10,384	4	1,296	29	1,514	..	..	..	..
Central Circle.												
Cuddapah	..	..	3	820	..	..	..	..	..	..	..	..
Nellore	..	..	3	1,120	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	1	30	26	2,717	4	340	3	43	2	7	..	..
South Arcot	..	..	3	985	..	..	3	9	..	..	..	..
Salem	3	105	1	100	..	..	2	11	..	..	..	..
Trichinopoly	..	..	..	..	1	5	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	4	135	36	5,742	5	345	8	63	2	7	..	..
Southern Circle.												
South Canara	..	..	13	1,491	1	300	21	3,061	..	..	..	..
North Malabar	1	30	4	12,802	..	..	..	..	..	..	..	..
South Malabar	2	50	1	40	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	6	31	1	4	..	..
North Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..
South Coimbatore	..	..	8	7,853	10	4,266	2	30	..	..	..	..
Madura	..	..	15	5,483	1	10	7	583	..	..	..	..
Tinnevelly	1	20	13	1,303	6	1,300	1	200	..	..	2	50
Total, Southern Circle ..	4	100	54	28,972	18	5,876	37	3,905	1	4	2	50
Total, Presidency ..	11	1,060	95	45,098	27	7,517	74	5,482	3	11	2	50

No. III—*cont.*

Division or Circle.	C. Fires beginning inside the resreve or fire traced areas—*cont.*										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	..	..	..	..	23	1,522	51	2,902
Vizagapatam	2	2,400	..	..	..	..	2	2,400	..	..	6	(a) 3,696
Gódávari	..	..	1	160	2	115	3	275	6	273	11	703
Kistna	..	..	..	..	..	..	..	..	..	..	2	(a) 363
Kurnool	..	..	..	..	1	8,025	1	8,025	9	12,866	10	20,891
Bellary	..	..	..	..	..	..	..	..	4	320	7	11,145
Anantapur	..	..	..	..	..	..	..	..	8	752	8	(a) 752
Total, Northern Circle ..	2	2,400	1	160	3	8,140	6	10,700	48	15,733	95	40,452
Central Circle.												
Cuddapah	..	..	..	..	1	20	1	20	67	31,484	71	32,324
Nellore	..	..	..	..	..	..	..	..	..	..	3	1,120
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	9	400	2	60	5	168	16	628	46	3,110	98	6,875
South Arcot	22	4,285	..	..	1	3	23	4,288	10	453	39	(a) 5,735
Salem	1	20	..	..	4	90	5	110	21	3,617	32	(a) 3,943
Trichinopoly	..	..	..	..	..	..	..	..	..	..	1	(a) 5
Tanjore	..	..	..	..	..	..	..	..	1	50	1	(b) 50
Total, Central Circle ..	32	4,705	2	60	11	281	45	5,046	145	38,714	245	50,052
Southern Circle.												
South Canara	5	533	7	989	..	..	12	1,522	76	4,556	123	(a) 10,930
North Malabar	..	..	..	..	..	..	..	..	..	..	5	(a) 12,832
South Malabar	..	..	..	..	..	..	..	..	1	15	4	105
The Nilgiris	2	35	..	..	9	2,208	11	2,243	1	4	19	(a) 2,282
North Coimbatore	..	..	..	..	..	..	..	..	1	740	1	(a) 740
South Coimbatore	1	100	..	..	1	13	2	113	3	317	25	12,579
Madura	13	1,082	3	50	7	3,160	23	4,292	10	3,050	56	(c) 13,418
Tinnevelly	8	7,447	1	6	3	1,197	12	8,650	18	4,215	53	15,738
Total, Southern Circle ..	29	9,197	11	1,045	20	6,578	60	16,820	110	12,897	286	68,624
Total, Presidency ..	63	16,302	14	1,265	34	14,999	111	32,566	303	67,344	626	159,128

(a) The Collector has not explained the variation between these figures and those entered in Form No. 51.
(b) No fires are reported to have occurred in the Tanjore district (*vide* Form No. 51). The discrepancy has not been explained.
(c) Includes fires which enetred from outside whether over special fire lines or merely ordinary boundary lines. Hence the variation between this figure and that entered in Form No. 51.

(2) Forest Fires and Fire-protection.

25. The results of fire-protection during the year are compared with those of the preceding year in the following statement:—

Circles.	During 1898–99.			During 1899–00.		
	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.	Area attempted in square miles.	Percentage of area attempted which escaped fire.	Average cost per square mile.
			RS. A. P.			RS. A. P.
Northern	963	95·1	10 10 9	953	93·8	9 6 2
Central	2,416	98·9	5 3 8	2,446	96·9	5 15 9
Southern	1,747	93·6	6 10 4	1,737	91·4	7 3 5
Total ..	5,126	96·8	6 11 9	5,136	94·5	7 0 6

The area attempted to be protected in the Central Circle and in the Presidency as a whole was larger than in the previous year by 30 and 10 square miles, respectively, and less by 10 square miles in the Northern and Southern Circles. The total cost was higher by Rs. 1,582, the amount expended being Rs. 36,114 against Rs. 34,532 in the previous year. The cost rate per square mile showed a slight advance in the Central and Southern Circles as well as for the Presidency but was less in the Northern Circle. Taking the districts individually, fire-protective measures were adopted over the same extent in *Gódávari*, *Kurnool*, *Cuddapah*, *Nellore*, *Trichinopoly* and *North Coimbatore* and over a smaller area in *Ganjám*, *Kistna*, *Chingleput* and *Madura*. In the other districts the area attempted was larger than in the previous year. In the Northern Circle arrangements for fire-protection of a rigid type are being set forth in the working-plans and the extent under protection will not be increased until the forests are worked systematically. In *South Arcot*, *Salem* and *Trichinopoly* in the Central Circle, *Madura* in the Southern Circle and in all the districts in the Northern Circle except *Kistna*, the amount expended on fire-protection was less than in the preceding year, but this decrease was more than compensated by the increase in the other districts, notably in *Chingleput*, *Cuddapah*, *Nellore*, *North Arcot*, *the Nilgiris* and *Tinnevelly*. In *North Arcot*, fire patrols were employed for a longer period, while in *Chingleput* a larger number was entertained. Rupees 669 are given by the Collector as the amount spent in *Nellore*, while according to the audited figures of the Accountant-General it was Rs. 1,183 and the variation has not been explained. The increase in the *Nilgiris* was due to the special and rather expensive protection afforded to the sandalwood areas in the Sigur range to improve the natural reproduction from seedlings. Larger expenditure was incurred in *Tinnevelly* on account of the heavy growth on the lines fire traced.

26. The percentage of the area burnt to the area attempted in each district in the past two years is compared in the following abstract :—

Northern Circle.			Central Circle.			Southern Circle.		
Districts.	Percentage of fires to area attempted		Districts.	Percentage of fires to area attempted		Districts.	Percentage of fires to area attempted	
	In 1898–99.	In 1899–00.		In 1898–99.	In 1899–00.		In 1898–99.	In 1899–00.
Ganjám ..	2·9	2·2	Cuddapah ..	3·2	8·07	South Canara ..	1·3	11·6
Vizagapatam ..	5·5	0·8	Nellore ..	..	0·9	North Malabar ..	82·1	69·4
Gódávari ..	6·4	0·5	Chingleput ..	..	..	South do. ..	0·005	0·1
Kistna ..	0·3	0·5	North Arcot ..	0·4	0·9	The Nilgiris ..	0·5	2·5
Kurnool ..	10·8	32·4	South do. ..	0·1	5·06	North Coimbatore.	0·6	10·3
Bellary ..	4·9	22·9	Salem ..	0·1	1·3	South do.	0·09	2·9
Anantapur ..	4·8	1·03	Trichinopoly ..	0·05	0·5	Madura ..	0·3	1·5
			Tanjore ..	..	..	Tinnevelly ..	2·4	6·5
	4·9	6·2		1·1	3·1		6·4	8·6

The year was very unfavourable for fire-protection. The exceptionally dry weather made the forests highly inflammable and incendiarism was generally the cause of the fires. In many cases the graziers were the chief offenders, their object being to get new grass. In *Gódávari*, *Anantapur* and *North Malabar* the results of fire-protection as compared with those of the previous year were satisfactory. In the other districts they were worse and notably so in *Kurnool*, *Bellary*, *Cuddapah*, *South Arcot*, *South Canara*, *North Coimbatore* and *Tinnevelly*. In *Ganjám*, fires began very early and 51 fires were reported, but later on the heavy showers that fell brought better results. In *Vizagapatam* there is no regular record of fire-protection and many fires which occur in the Agency hills are not reported, the staff of 33 fire patrols entertained for the district being too small for the work. Form No. 51 shows only 683 acres as having been burnt, while the area is estimated by the Collector as 17,840 acres in his district report. It is reported that the Chenchus prevent successful fire conservancy in the Nallamalais. In one case an individual was sentenced to one month's imprisonment for firing the Bairluti block, but the day after he was released the block was again on fire. In *Bellary*, two fires entered the Donimalai and the North-east ranges from outside before the lines were thoroughly cleared. The damage done was not great, but it is feared that a number of seedlings must have been killed or burnt down. The three fires in *Nellore* which burnt 1,200 acres are reported to have been caused by accident. In *North Arcot*, there were 98 fires which burnt 6,874 acres. Twenty-six came from outside and nine were caused by graziers to obtain new grass. In 17 other cases the fires were the result of carelessness or accident and in the rest the causes were not known. Blocks have been closed to grazing in all places where there were numerous incendiary fires. Altogether 7,926 acres were burnt in *South Canara*, the worst fires being in the Dharmastala-Mundaji and Chinkramale blocks. The percentage of fires in *North Malabar* still stands abnormally high. Rigid protection was, as usual, confined to special areas in the Kurchyat and Begur reserved forests and the plantations and compounds, which were successfully protected during the year with the exception of 32 acres of plantations, 2 acres in Begur and 30 at Chedaleth which were run over by fires from outside. The remaining areas of deciduous forest were all burnt. In the *Nilgiris* fires were caused by jungle-men in the Mudumalai and Sigur ranges. It was not possible to detect the offenders in the Coonoor and Ootacamund ranges where 135 lots of fuel were lost. The Hassanur sandalwood area in *North Coimbatore* was set fire to wilfully and 740 acres were burnt. The high wind and the faulty line cutting by the forester helped the offender. There were in all 25 fires in *South Coimbatore*, 15 in specially protected and 10 in unprotected areas, which burnt 10,395 acres and 2,184 acres, respectively. It is unfortunate that there should have been fires again in the Tekadi leased forests: two out of the eight fires that ran over it were very serious and lasted for two days in spite of all endeavours to put them out. An extent of 7,760 acres was burnt over by these two fires. The dead trees and grass were burnt and much mischief was done to the living trees and young growth.

27. The reports from most districts contain little information as to the recording of the results of fire-protection on maps or as to the extent of the damage done to the forests.

(3) Regulation of grazing and protection from cattle.

28. Owing to short rainfall, the free cutting and removal of grass was permitted and availed of in all the districts of the Northern Circle except *Ganjám* and *Vizagapatam* and in *Cuddapah*, *Nellore*, *North Arcot* and *Salem* in the Central Circle. It was also found necessary to throw open to free grazing all the forests except the specially fire-protected blocks, in *Cuddapah* from February and in *Kurnool* from April last, and also some areas in *Kistna* and *Nellore*. In granting the concession the Collectors of the last mentioned two districts appear to have acted on their own responsibility without obtaining the prior sanction of the Board. In *Gódávari*, grazing in the Coringa reserve was leased out as usual, and in *North Malabar* the lease granted to Mr. McDonald allowing him to graze not more than 900 cattle on a fixed payment of Rs. 100 per annum was also continued. In *Kistna*, the issue of permits for local cattle was entrusted to the village munsifs instead of to poorly paid grazing supervisors as heretofore, while permits for foreign cattle were issued by range officers and special rangers. The system is reported to be a success. One permit for all the reserves

included in one working-circle was issued during the year in *Kurnool* instead of a single permit for each reserve as in the previous year, the latter system having given rise to many complaints.

The areas open and closed to grazing and the number and kind of animals grazed free or on payment of fees in each district are shown in Forms Nos. 52 and 53. One thousand three hundred and ninety-six square miles were closed to all animals throughout the year and 570 square miles for only a portion of the year as against 1,824 and 132 square miles, respectively, in the previous year. The area closed throughout the year decreased largely in the Northern and Southern Circles, but increased in the Central Circle. The fall in the Northern Circle occurred in *Kistna* and *Bellary*, and the reduction was found necessary, owing to the bad season. In *North Coimbatore* also the area closed was less. There were, however, several complaints against the closure of a large portion of the Doddasampagai reserve, and the question of opening an additional extent is engaging the attention of the Collector. Two hundred and sixty-five square miles remained closed till the end of March in *South Coimbatore*, but 245 square miles of this area were opened during the rest of the year, as strict closure was not considered to be called for throughout such a large area. In *North Arcot* and *Tinnevelly*, some of the grazing compartments open during the previous year had to be closed on account of incendiary fires. Both goats and sheep continued to be excluded from all the reserved forests and reserved lands in *Vizagapatam* (354 square miles) and in *North Coimbatore* from 14 square miles against five in the previous year. The entire forest area in *South Malabar* is shown as closed to all animals, but there is no demand for grazing in the district. As in the previous year, permits were not issued for sheep in *South Canara* and *North Malabar*. The area closed to goats only was larger than in the previous year, as also that open to all animals. The increase in the area open was only nominal and was contributed chiefly by *North Malabar*, where 220 square miles against none in the previous year are shown as open, although there is not much demand for grazing in the district. Goats were entirely excluded in *Ganjám* and *Anantapur* in the Northern Circle, in *North Arcot*, *South Arcot* and *Trichinopoly* in the Central Circle, and, as usual, in all the districts of the *Southern Circle*. In *Vizagapatam* 1·2 square miles were opened to goats in the Golconda range for three or four months as an experimental measure, but the goat owners did not evince much desire to take out permits. The area has been temporarily closed pending the preparation of a working-plan for the reserve. In *Gódávari*, permits were issued to goats for the first time in the Ellore range, and a sum of Rs. 102 was realized. It is proposed to open additional areas during the current year in the Peddápuram range. In *Kistna*, *Kurnool*, *Cuddapah*, *Nellore* and *Chingleput* larger provision was made, but in the first mentioned district the area open still appears to be insufficient, and the subject will receive the attention of the Collector. In *Bellary* 265 square miles were closed to goats against 150 square miles in the previous year; the number of these animals admitted under licenses in each year was nevertheless 70,443 and 27,528, respectively. It is therefore proposed to set apart specially selected areas in this district and also in *Anantapur*, where such a step is reported to be needed. Provision for goat-browsing in *Madura* has been made in the recently sanctioned working-plans for the Kanavoipatti and Palamedu ranges. The closure of even the 12 square miles open during the last year in *North Arcot* has possibly caused the greater number of goats impounded in the district, but a scheme for goat-browsing is reported to be completed and awaiting submission to the Board. The following statement compares the number of animals impounded for illicit grazing in each district during the past two years. The total number of all classes of animals impounded was 377,555 against 346,461 in the previous year; the increase being noticeable in *Kurnool*, *Anantapur*, *Cuddapah*, *North Arcot* and *Salem*. The number of "cattle" impounded increased largely in *Gódávari*, *Kurnool* and *Anantapur* in the Northern Circle and in all the districts of the Central Circle except *South Arcot* and *Trichinopoly*. In *North Arcot* the number rose from 7,504 to 17,223. In *Kistna*, *Anantapur*, *Trichinopoly* and *Madura* the number of goats impounded were over 5,000 and less than 10,000. The largest number of these animals impounded was in *North Arcot* (40,549); *Cuddapah* came next with 31,988, followed by *Nellore* (26,390), *South Arcot* (22,183), *Salem* (20,091) and *Kurnool* (17,879).

COMPARATIVE Statement of Animals impounded for illicit grazing in Reserved Forests and Reserved Lands during 1898–99 and 1899–1900.

—	Without permits.								In closed areas.							
	Cattle.		Sheep.		Goats.		Total of all animals.		Cattle.		Sheep.		Goats.		Total of all animals.	
	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.	1898–99.	1899–1900.
Northern Circle.																
Ganjám	951	182	..	11	3,708	1,020	4,659	1,213	345	..	..	..	3,708	1,020	4,053	1,020
Vizagapatam	1,735	1,308	741	224	2,941	2,245	5,417	3,777	..	19	..	..	..	13	..	32
Gódávari	1,859	2,613	517	622	2,647	1,660	5,023	4,895	..	8	..	1	2,647	920	2,647	929
Kistna	8,162	4,070	2,836	3,749	11,708	9,425	22,706	17,244	4,672	3,793	970	1,599	3,417	5,855	9,059	11,247
Kurnool	8,564	10,052 {	5,123 8,863 }	7,708	7,616 {	11,714 * 6,165 }	30,166	35,639	333	278	214	300	177	192	724	770
Bellary	2,198	1,380	1,415	1,720	3,965	3,416	7,578	6,516	782	89	864	..	1,079	131	2,725	220
Anantapur	2,997	5,238	6,414	8,102	10,161	9,175	19,572	22,516	230	804	286	550	426	572	942	1,926
Total, Northern Circle ..	26,466	24,843	25,909	22,136	42,746	44,820	95,121	91,799	6,362	4,991	2,334	2,450	11,454	8,703	20,150	16,144
Central Circle.																
Cuddapah	5,426	5,936	9,423	12,749	22,721	31,988	37,570	50,673	84	82	189	220	703	65	976	367
Nellore	†..	4,319	†..	7,011	†..	26,390	†..	37,720	†..	206	†..	3	†..	20,340	†..	20,549
Chingleput	1,464	1,935	1,597	460	6,193	4,471	9,254	6,866	113	157	..	..	5,073	4,416	5,186	4,573
North Arcot	7,504	17,233	6,509	8,495	32,659	40,549	46,672	66,267	764	694	659	..	2,489	817	3,912	1,511
South Arcot	15,799	13,080	22,692	16,070	35,436	22,183	73,927	51,333	1,060	234	141	..	250	24	1,451	258
Salem	4,961	8,302	3,893	4,131	18,895	20,091	27,749	32,524	3,816	2,468	549	380	11,234	5,433	15,599	8,281
Trichinopoly	3,483	2,450	8,920	5,865	4,317	5,234	16,720	13,549	..	..	..	..	..	..	..	..
Tanjore	140	1,036	336	333	317	712	793	2,081	12	263	35	13	15	108	62	384
Total, Central Circle ..	38,777	54,281	53,370	55,114	120,538	151,618	212,685	261,013	5,849	4,104	1,573	616	19,764	31,203	27,186	35,923
Southern Circle.																
South Canara	1,077	1,424	..	..	10	21	1,087	1,445	410	106	..	..	10	..	420	106
North Malabar	71	26	..	..	..	..	71	26	2	1	..	..	..	..	2	1
South Malabar	..	..	..	..	..	..	..	..	10	..	6	..	..	..	16	..
The Nilgiris	38	288	129	27	45	119	212	434	20	220	..	16	..	12	20	248
North Coimbatore ..	2,955	2,099	3,603	1,728	4,596	2,691	11,154	6,518	1,355	298	936	..	431	..	2,722	298
South Coimbatore ..	1,121	1,337	232	85	1,163	1,054	2,516	2,476	368	530	211	55	450	154	1,029	739
Madura	4,533	3,445	3,047	1,632	13,972	5,845	21,552	10,922	..	..	..	..	..	5,845	..	5,845
Tinnevelly	657	1,121	71	852	1,335	1,019	2,063	2,992	2,172	965	751	808	1,335	1,019	4,258	2,792
Total, Southern Circle ..	10,452	9,740	7,082	4,324	21,121	10,749	38,655	24,743	4,337	2,120	1,904	879	2,226	7,030	8,467	10,029
Grand Total, Presidency.	75,695	87,899	86,361	80,766	184,405	207,187	346,461	377,555	16,548	11,215	5,811	3,945	33,444	46,936	55,803	62,096

* This represents the total number of goats and sheep impounded in the Pattikonda range. Details are not available.

† Information was not available in the previous year.

29. The following abstract shows the number of cattle, sheep and goats admitted under licenses during the year :—

—	Buffaloes.	Bulls and cows.	Sheep.	Goats.	Other animals.
Northern Circle	103,380	385,912	639,918	70,987	546
Central Circle	25,574	611,241	609,458	93,816	40
Southern Circle	21,384	293,836	69,886	..	4
Total	150,338	1,290,989	1,319,262	164,803	590
1898–99	116,302	1,264,646	1,046,221	172,548	402

The number of animals admitted was larger for the Presidency, and the increase was contributed by all the districts except *Cuddapah*, *Chingleput*, *North Arcot*, *South Arcot*, *North Malabar* and *Tinnevelly*, where the number decreased. In *Kistna* and *Kurnool* information as to the number of goats admitted under licenses has not been separately reported. In *Kurnool* there was a decrease in the number of cattle admitted but permits for a larger number of sheep and goats were issued.

(c) *Improvement of Forest growth.*

(1) Natural Reproduction.

30. Natural reproduction was to some extent retarded by the drought, as not only do seedlings die off naturally but many are killed out by the excessive strain on some forests for fodder and grazing :—

Northern Circle.

Reproduction of sâl in *Ganjám* continued excellent. Flowering and seeding of other timber species was also good. Reproduction from the preceding year's seeding of *Bambusa arundinacea* was luxuriant. In *Vizagapatam, Terminalia belirica* on the Gudem hills and the Teak planted in Garugapalli tope seeded profusely and the seedlings were healthy. The flowering of sâl in Palkonda was scanty and reproduction from seed was not good. Bamboo growth in Palkonda was poor owing to failure of rains. The unfavourable character of the season interfered with natural reproduction in *Gódávari* and *Kistna*. In the latter district the coppice growth in the felled coupes of the Guntur Babul Working Circle was excellent, while reproduction from seed was not satisfactory. Of the valuable species *Chloroxylon swietenia* withstood the drought. In *Kurnool*, *Bellary* and *Anantapur* the year was unfavourable to natural reproduction owing to the failure of the monsoon. The regrowth was, however, fair in the areas under special protection and closed to grazing. In the Ramandrug range, *Bellary district*, there was a fair growth of *Tectona grandis*, *Terminalia tomentosa*, *Pterocarpus marsupium*, *Sandal* and *Anogeissus latifolia*. Seedlings of *Hardwickia* were noticeable in parts of the Malapanagudi block in *Bellary* and of Kottakota in *Anantapur*.

Central Circle.

In *Cuddapah* the year was a bad one for reproduction both from seed and coppice owing to the drought. Regeneration from seed and coppice was satisfactory in *Nellore*. In *Chingleput* reproduction from coppice continued to be satisfactory, but that from seed was particularly good in specially protected areas. Seedlings of *Azadirachta Indica*, *Pterocarpus santalinus*, *Melia Indica*, *Engenia Jambolona* and bamboos were most noticeable. In *North Arcot* reproduction was generally poor except in areas specially protected and closed to grazing. In *South Arcot* the growth of seedlings of all sorts was encouraging. Collection of data in connection with the growth of coppice shoots was continued in the Tiruvannámalai reserved forest. The important species except *Albizzia amara* are reported to attain the same height during their early ages. The average heights reached by the former at ages 5, 6 and 7 were 14 feet, 16 feet and 16 feet 7 inches, while those of *Albizzia amara* were 9′–7″, 11′–4″ and 11′–8″, respectively. As regards girth *Butea frondosa* was observed to grow prominently. Its girth at different ages was recorded to be as follows :—

	Maximum girth.	Average girth.
At age 5	17·5″	13·4″
Do. 6	18·25″	14·14″
Do. 7	18·75″	16·12″

The average girth of the other species was 7·58″. In *Salem* reproduction from coppice in coupes continued to be satisfactory. Seedlings of satinwood in many of the coupes recently felled at the foot of the Shevaroy hills were also full of promise. Reproduction from sandalwood seeds in the same coupes was however wanting, owing probably to their having been thrown open to grazing on account of the scarcity of fodder. In *Trichinopoly* regeneration from seed and coppice continued to be good, the chief species being *Inga dulcis*, *Acacia arabica*, *Cassia florida*, *Chloroxylon swietenia*, *Mimusops hexandra*, *Albizzia amara* and *Acacia planifrons*. *Memecylon edule* (Casan) coppiced extremely well in the felled coupes of the Udayárpálaiyam range. The dry sandy nature of the soil in *Tanjore* was not favourable to natural reproduction from seed.

Southern Circle.

In *South Canara*, the coppice growth in coupes worked for the supply of firewood in Coondapoor was excellent. Reproduction from seed was poor owing to the peculiarity of the soil and the undulating nature of the surface from which seeds are carried away by the heavy rainfall. In *South Malabar* the coppice growth in Walayar was good and a fair number of seedlings of *Lagerstrœmia*, *Xylia*, *Pterocarpus marsupium* and *Hopea* were found in the Chenatnair reserve. In the natural forests of the Nilambur range there was a fine show of seedlings of *Xylia*. The growth of seedlings of *Terminalia paniculata*, *Lagerstrœmia*, *Tectona grandis* and *Terminalia tomentosa* in the Karimpoya and Nettekutti reserves of the Amarampalam range was excellent. In the *Niligirs* coppice growth in the Blue-gum plantations was good. In the Sigur range regeneration of sandalwood was fair, while in the Mudumalai range seedlings of valuable species such as Teak, Vengai and Blackwood were promising in areas under special protection and closed to grazing. There was an excellent growth of seedlings of *Terminalia Chebula* in Kollegal and Satyamangalam ranges in *North Coimbatore Division* and a fair growth of Vengai in parts. A heavy seeding of *Shorea laccifera* and satinwood took place near Gairmalam in May. In *South Coimbatore* the coppice growth in the Aiyarangal coupes was excellent. Regeneration from seed on the outer slopes of the Anamalais and in the felling compartments of the leased forest was remarkable. In the evergreen forests of *Madura* reproduction was excellent. *Albizzia amara* continued to coppice well. Regeneration from seed in the deciduous forests containing timber was poor. In *Tinnevelly* coppice growth was fair in the coupes and there was a fair sprinkling of seedlings from standards. Teak, Vengai and *Anogeissus* grew well from seed. The growth of *Hopea* and *Mesua* in the evergreen forests was good.

(2) ARTIFICIAL REPRODUCTION, PLANTATION AND CULTURAL OPERATIONS.

31. The area under plantations, topes and cultural operations, together with the cost incurred thereon during the year under report, is given in Form No. 54.

The following is a summary of the year's work :—

Northern Circle.

The Agusti Nowgam plantation in *Ganjám* was, on the whole, doing well, and was maintained at a cost of Rs. 241 as against Rs. 940 in the previous year. The decrease in expenditure was due to the little watering that was found necessary on account of the heavy rains during the hot weather. Some teak seeds were sown in the Napier and Chatrapur reserves as also in the Surada, Majjagoda and Kukkuluba ranges. They sprung up fairly well in both the reserves and in the first two ranges, but the operation was a complete failure in the third. In *Vizagapatam* the seedlings of *Acacia sundra*, *Pongamia glabra*, *Cassia fistula*, tamarind and other varieties which were coming up well in the Narsapatam range nursery last year have all perished for want of rain after transplantation in the coupes. Karakai seeds sown in the coupes shared a similar fate. The few teak seedlings were, however, flourishing. The dates in the Sarvasiddhi plantation survived a trying year, while in Palkonda a number of jack plants were put out in Chinna Mangalapuram tope most of which died. In the *Gódávari* district 76 acres were planted up during the year in the Bandamurlanka and the Kandikuppa casuarina plantations. In *Kistna* 30 acres in the Gopuvanipalem reserve were planted with casuarina and the plants of 1896–97 and subsequent years were watered at a cost of Rs. 544. Those of the later planting perished for want of rain. The work was consequently confined to keeping alive the plants of the 12 acres of early planting which appeared to have struck root. No fresh planting was undertaken in the Bápatla taluk. The nursery in the Weld reserve was maintained and seedlings of casuarina raised, but owing to the drought that prevailed little transplanting was done. In *Bellary* the plantations and cultural operations, though taken on hand with care and in the proper season, were not a complete success owing to short rainfall. The Kuppugal plantation was planted with mixed species, but the seedlings died off in large numbers, notwithstanding the fact that they had been watered. The operations carried on in the Tungabhadra plantations were also unsuccessful. The work in the Tornagal plantation was confined to the filling up of the blanks in the previous years' plantations. About 750 pits were thus replanted with *Albizzia Lebbek*, *&c.*, a large number of which survived. The bamboo slips planted in 1898 having died off they were replaced by 230 suckers, of which 75 per cent. were doing fairly well. Sowings

of dates in furrows were tried in some of the reserves, but in one reserve they were damaged by wild pigs and were a failure in others on account of the drought. The work in *Anantapur* consisted in the sowing of date seeds in furrows over 4 acres in Anantapur reserve, 15 acres in the Kajjepalle reserve, 18 acres in Ratnagiri reserve, 6 acres in Kekathi reserve and 7 acres in Upparapalli reserve. The operations generally proved a failure for want of rain, except in parts of Kekathi and Upparapalli reserves, where the seedlings in low beds and along the stream were doing well. Babul seeds were sown in 25 acres in the Illur reserve and in 11 acres in the Pamidi reserve, but the operation was a failure owing to want of rain.

Central Circle.

In *Cuddapah* artificial reproduction from seed and seedlings proved unsuccessful owing to the drought that prevailed. There was a slight addition of 15 acres to the plantations during the year in *Nellore*. Much of the replanting in the district though done late in November was successful in all cases. There was a noticeable addition of eight topes aggregating 162 acres to the area of plantations in *Chingleput*. In selected portions of the reserves in the Tiruvallur range, seeds of different species were sown three to four feet apart in furrows, but the operation was not attended with any degree of success owing to scanty rainfall. In *North Arcot* the planting of casuarina trees in the plantations was discontinued and cultural operations were limited to certain selected areas. No fresh red sanders seedlings were sown in the Chittoor range. There were heavy casualties in the existing trees of the species in Chittoor and Chase's Hill reserves. The casualties were severe also among casuarina trees owing to the unfavourable character of the season. The sowings in patches carried on during the year in the Mudivaripalle and Nagamangalam topes were not altogether satisfactory. Most of the existing young plants in Palamadi, Ambur and Kylasagiri reserves perished, while there was a considerable number of casualties among the young casuarina plants in Tiruvallam and Amandi plantations put out in 1896–97. In *South Arcot* no areas in reserved forests were leased out during the year under report for cultivation of cashew (*Anocardium accidentale*). Of the existing plants the younger were vigorous, but those of 10 to 15 years showed signs of decadence. In *Salem*, seeds of *Eucalyptus marginata* and *Eucalyptus gomphocephala* were sown in nurseries in the Shevaroys and Chitteri hills towards the close of the year and some of the seedlings are reported to have grown about 2 inches high. In *Trichinopoly* cashew and tamarind seeds were sown in the Irur and Naranamangalam reserves in the Perambalur range and the seedlings were thriving well. In *Tanjore*, an area of 52 acres was planted up with casuarina in the Tirumalaivasal plantation at a cost of Rs. 464. There were 8,812 casualties in the plantation, but the remaining plants were doing well. The plantations of the previous years were also maintained.

Southern Circle.

In *South Canara*, it was intended to disafforest the Ullal Honne and casuarina plantation in the Mangalore range as its situation is exposed to the sea and much of it was washed away by it. No extension was made to the Tannirbhavi casuarina plantation and the question of doing so was postponed for consideration till the next visit of the Conservator to the district. 37,000 and 10,613 teak seedlings were sown in the Aletti and Adur blocks, of which 9,052 in the former and 6,053 in the latter survived. The heavy casualties are reported to be due to the prolonged drought. Some teak seeds were sown in February last in nurseries and the seedlings are reported to be doing well. The plantations of teak, blackwood (*Dalbergia*) and vengai (*Pterocarpus*) in small areas in several ranges in *North Malabar* continued to do fairly well, some of the teak trees growing 17 to 30 feet high. In the Advankannu reserve of the Manantoddy range 6 acres were planted with *Grevillea* in 1898, and though a good many died out the surviving few were growing well. The vacancies were filled up in 1899 and an additional area of 6 acres was planted with the same species, but the plants showed signs of decadence owing to the unfavourable character of the season. The two jack plantations in the Kanoth reserve did not prove a success. In *South Malabar*, 80 acres in the Amarampalam range cleared for planting in the previous year were planted up with teak seedlings, 6 feet apart, and an additional area of 125 acres was also cleared for the purpose. In the Nilambur range *Swietenia macrophylla* was planted with success in places where teak failed. An attempt made to raise the indigenous bamboo from seed in the old Amarampalem reserve was successful and the seedlings will be planted out on the river banks. Five thousand six hundred casualties were replaced in the Ramalore plantation. In the *Nilgiris* 12 acres of land were cleared by the Kurumbers for shifting cultivation and the area was planted with teak seedlings from the nurseries, many of which, however, perished owing to want of timely rain. The attempt to grow mahogany in the Mudumalai and Benne forests was again a complete failure, and the experiment was abandoned once for all, as the soil and climate seem to be thoroughly uncongenial to its growth. The plants in the Kallar nursery were more promising, and those in the Benhope nursery also flourished well. In *North Coimbatore* the restocking of some of the reserves in the Erode range was continued, but was not successful during the year on account of the scanty rainfall. The attempt to raise bamboos from rhizomes in the Vellodu reserve, Erode taluk, was being continued, notwithstanding the fact that it was a failure during last year. In *South Coimbatore* it is proposed to abandon the topes except the Avanashi palmyra tope, which has since been constituted into a reserved forest. The ceara rubber plants put out in four small plots

were thriving well and grew 4 to 9 feet high. The cultural operations in the division consisted of the dibbling of seeds, and the operation was attended with poor results. The growth in one of the two teak plantations in *Madura* was decidedly good, pointing to the fact that the particular locality is admirably adapted for teak growth while the growth in the other was unsatisfactory, the ground being swampy and badly drained. In *Tinnevelly* no regular plantations were maintained. The cocoanut plantation raised in the Courtallam-Bangalow compound flourished well.

(3) EARLY THINNINGS; (4) OTHER OPERATIONS FOR THE IMPROVEMENT OF THE GROWING STOCK.

32. In *Ganjám* creeper-cutting was carried out over 4,000 acres in two reserves at a total cost of Rs. 254, while in *Gódávari* the work was done departmentally. The operations in *Anantapur* were confined to the removal of prickly-pear from portions of two reserves, and in *Cuddapah* and *Tanjore* to the cutting of creepers. In *North Arcot* the self-sown seedlings of sandalwood in the Nagamangalam and Mudivaripalle topes were slightly thinned out. The dead and suppressed casuarina trees in Tiruvalam and Kilminnel plantations were also cut and sold to the Central Jail at Vellore at a net profit of Rs. 3–9–6 per ton. In *Salem* trees which were hollow, crooked and useless, were removed with a view to improve the growing stock. In *South Canara* thinning operations were conducted over 72 acres in two different reserves to free the *Hopea Parviflora* from being suppressed. Large areas were also cleared of creepers. In *North Malabar* the plantations were weeded and the thinning operations continued in the Kurichiyat reserve. The ground was dug to encourage reproduction, and there was not sufficient time within the year to judge of the result of the operation. In *South Malabar* thinnings were carried on over 670 acres of teak plantations in accordance with the working-plan. Other operations, such as weeding, parasite-clearing and pruning were also carried out. In *North Coimbatore* stumps, roots, dead and dying and mature sandalwood trees were extracted from certain coupes: 8,549 trees were felled and yielded 4,845 maunds. Thinnings of bamboos were carried on in *South Coimbatore* on contract in eight coupes of the Sholakarai working circle, the contractor leaving ten bamboos standing in each clump. There was also the work of cutting of creepers and clearing of weeds in 40 acres of the Aiyarangal working circle and 109 acres of the Chinnar working circle.

(5) EXPERIMENTS.

33. Experiments with exotics were continued during the year. An account of the various kinds tried and of the progress made is given below :—

African seeds.—In *South Malabar* these plants were not thriving well and only 22 survived as against 28 during the previous year.

Agave ixtyle (Sissal hemp).—Five hundred and ninety-four plants were planted in October last in several places in *North Arcot.* Of the 200 plants put out in the Vellore Central jail compound 130 survived. Those put out departmentally were thriving well except a few in the Palmaner range where the soil selected was not congenial to its growth.

Apple seeds.—The seeds sown on the northern slopes of Kanavoy hills in Bolampatti reserve No. III died though all of them germinated. The failure is stated to be due among other causes to the rocky nature of the soil and to want of care on the part of the subordinates in watering them.

Bamboos.—In two different localities in the Puttur range, *South Canara District,* they were out-topped and did not do well. Experiments were conducted in certain ranges to test the best season for felling. *Arundinaria Brandisii* planted in Ayaravallikava in *South Malabar* continued to flourish, the largest clump being 21½ inches in circumference against 21 last year. Of the five clumps of *Bambusa vulgaris* (yellow bamboo) planted in 1879, only one continued to flourish, while others were slow in growth. Fourteen plants of this species were raised from *nodes* and should be planted out.

Ceara rubber.—Of the 111 trees left in the Napier's Park in *Ganyám* at the close of the year, two trees flowered and seeded. The trees of this species were to be found almost everywhere in *South Arcot* and were undoubtedly a success. Those in *South Malabar Division* were tapped and 8 lb. of rubber collected and sent to the Reporter on Economic Products to the Government of India, Calcutta. The ceara rubber plants put out in certain reserved forests in *South Coimbatore Division* were doing well. They range between 7 and 9 feet in height and were throwing out side branches.

Date.—Seeds were not sown in *Kistna* owing to the adverse season. These seeds did not germinate in *Bellary.* The soil of *North Arcot* was not congenial for their development.

Dillenia Indica.—Of the 73 plants in Pollachi range alluded to in the previous year's report, only two survived, the rest having perished probably owing to prolonged drought and to want of care on the part of the subordinates.

Divi divi.—Experiments were tried in *Ganjám* with the result that the seedlings were awaiting rain for transplantation. The trees of this species were thriving well in *South Arcot.*

Eucalyptus.—The plants in Mudivaripalle, &c., topes in *North Arcot District* were not promising. They were 20 years old but were stunted for their age. Seeds were sown in nurseries on the Shevaroys and Chitteris in *Salem* towards the end of the year and the seedlings were 2 inches high. The trees of the different species of Eucalyptus in the *Nilgiris* were, on the whole, doing well.

Mahogany.—Only three plants were left in the Napier's Park in *Ganjám.* Fresh seeds were sown in open beds and in pots, but none germinated. None of the seeds sown in the Papikonda reserve in *Gódávari* germinated, probably because they were too stale. More were being sown. Mahogany was subject to attacks from insect pests in *Kistna* and the few plants that came up and looked healthy were destroyed by grasshoppers. Of the young plants at Gazulapalli in *Kurnool*, only one was living having grown 5 feet high, while at Atmakúru two remained. These plants were, however, unhealthy. Of the plants put out in Balapalli nursery in *Cuddapah*, only 76 survived. There were two casualties among the trees which existed in the Chittoor reserve in *North Arcot.* The only remaining plant in Mudivaripalli tope was alive and exhibited symptoms of fair growth, while those in Ambur and Palmadi plantation were all doing well. The growth of mahogany seedlings in *South Canara* was much impeded by the attacks of the Erya caterpillar. Not one of the seeds tried in three ranges in the district germinated, apparently because they were stale. Those planted in Airavalakava and Panangod plantations in *South Malabar* were doing well and were from 14 to 19 years old, while others were showing signs of drying up. The big show tree of the *macrophylla* species in Chathamborai measured 89 feet 4 inches in height and 78 inches in girth against 88 feet 3 inches in height and 76 inches in girth, and is now 28 years old. Of the trees at Walayar four died; while those at Dhoni were thriving well, of which there are 74. The plants of this species in Kullar in the *Nilgiris* were doing well. In *South Coimbatore* mahogany seeds were sown in the Pollachi, Bolampatti and Udamalpet ranges with indifferent success. The plants of the *Swietenia macrophylla* species planted in front of the bathing mandapam in the Alagar Hill reserve in *Madura* were thriving well. Spasmodic experiments tried on a small scale were a failure.

Mango seeds.—These were sown at Rambha and Bodangi in *Ganjám* to provide trees to be planted in certain parts of the Maliah boundary. There were 400 healthy plants at these nurseries.

Pterocarpus marsupiam.—Seeds of this species were sown in the Papikonda reserve in *Gódávari*, but without success.

(*d*) *Exploitation of Major Forest Produce.*

(1) Clear or re-generation fellings.

34. In *Gódávari* 135 acres in the Bandamur lanka casuarina plantation were clear felled in accordance with the working-plan, most of the good trees having been previously removed to supply poles to the Public Works Department. It is proposed to plant up the area during 1900–1901. Coupe No. I of the Ungutur reserve, and blocks I and II and of Tadikalapundi reserve were also cleared in accordance with the working-plan approved by the Conservator in view to sow seeds of better classes of trees. In *Tanjore* 45 acres in the casuarina plantations were felled over by contractors, the trees being sold standing. The yield amounted to 358 tons of sized wood and 119 tons of unsized wood, and the rate realized per ton was Rs. 4–7–9 for the former and 12 annas for the latter. Trees of different kinds were also felled and removed on contract from certain unreserved areas in Kodyampalayam and Tholavapatti villages, realizing a revenue of Rs. 684. In *South Malabar* 125 acres of forest were cleared for teak planting. The contractor paid Rs. 3,000 for the timber and bamboos standing thereon.

(2) Selection Fellings.

35. The only work undertaken departmentally in *Ganjám* was the felling of sâl (*Shorea*) and holondo (*Adina cordifolia*) timber. Four thousand cubic feet of the former was supplied to the Ordnance factory in Madras and 100 sleepers of the latter to the East Coast Railway for experiment. For the same purpose 100 sleepers of different species (*Terminalia tomentosa*, *Xylia dolabriformis* and *Soymida febrifuga*) and 76 *Xylia* sleepers were also supplied to the same railway from *Vizagapatam* and

Gódávari, respectively. In *Kistna* 86 casuarina poles were cut in Bápatla for departmental use and 311 trees in the Gopuvanipalam casuarina plantation, which realized a sum of Rs. 321–8–0. The collection of valuable timbers in *Kurnool* for supply to depots was continued. Ten thousand six hundred and fifty-three cubic feet were brought to depots and 13,446 cubic feet sold realizing Rs. 9,908. The operations in *Bellary* were confined to the felling of teak poles, of which 105 were cut and sold at a net profit of Rs. 85, and in *Anantapur* to the marking of palmyra trees which were sold *in situ*. In *Chingleput* the departmental fellings consisted of babul (*Acacia arabica*) and korakkapali (*Inga dulcis*) billets for supply to the South Indian Railway. The transaction yielded a net profit of Rs. 5–3–2 per ton. In *North Arcot* timber contracts were given in certain blocks in the Javadies to meet the demands of the ryots for building materials and domestic purposes, the trees being marked before felling. Bamboos were cut departmentally for tent poles and latties required by the Ordnance and Police departments. In *Trichinopoly* selection fellings of babul (*Acacia arabica*) were carried out departmentally and the felled material consisting of 7,400 cubic feet of wood was supplied as fuel to the Central Jail. It realized a net profit of Rs. 395. In *South Canara* 315 trees were felled during the year and yielded 519 logs. Some of these were converted into sleepers and scantlings. Selection fellings in *North Malabar* yielded 116,019 cubic feet of timber. All the reserves in *South Malabar* were worked under the selection system. In the *Nilgiris* 800 trees of *Terminalia tomentosa* were felled for sleepers in Mudumalai, and 300 maunds of dead trees and roots of sandalwood were collected. In *North Coimbatore* timber and bamboos were cut departmentally to meet urgent demands. Selection fellings in *Tinnevelly* were carried on both by departmental agency and by contractors. Four hundred and fourteen trees of *Hopea* and *Balanocarpus* were felled for railway sleepers. They proved unsuitable for the purpose. In all 414 trees were felled and 128 of them were converted departmentally yielding 5,017 cubic feet of fashioned timber. A volume of 11,531 cubic feet of timber was removed by contractors from the evergreen forests, the trees being marked as usual by departmental officers and paid for by contractors at a fixed rate per cubic foot of fashioned timber.

(3) IMPROVEMENT FELLINGS, AND (4) COPPICE FELLINGS AND COPPICE WITH STANDARD FELLINGS.

36. Improvement fellings were carried on in the Northern Circle in *Ganjám* and *Kurnool*. In the former district operations were limited to 50 acres in the Kurcholi reserve and yielded 650 cart-loads of miscellaneous timber. In the latter district 500 acres of the Diguvametta block were improved by removal of 60,000 cubic feet of fuel at a cost of Rs. 1,228. The forests of certain other districts in the Circle were subjected to coppice fellings and coppice with standard fellings. In *Vizagapatam* coupes to the extent of 61 acres in the Madalammakonda and Arlova reserves were felled, and the material obtained was sold as timber, fuel and charcoal, yielding a net profit of Rupees 9–12–0 per acre. In *Gódávari*, the fellings according to working-plan were not carried out completely owing to slack demand, but the prices realized on the coupes sold varied from 5 annas to Rs. 5–8–0 per acre. It is anticipated, however, that the uncut balance will be sold during 1900–1901 together with the coupes of the year. In *Kistna*, a portion of coupe No. 5 of the Guntúr babul working-circle was felled, and the method adopted was coppice with standards. It was not possible to work the whole of the prescribed area owing to slack demand. Portions of coupe Nos. 5 and 6 of the Masulipatam mangrove working-circle and coupe No. 1 of Avanigadda circle were also felled, the material obtained being 105 tons of wood. The fellings in *Bellary* were carried out in the Sandur leased forests in accordance with the working-plan for the eastern slopes of Ramandrug. Coupes were also worked at the base of the western slopes and in Hyradi reserve. The material (fuel) extracted was transported to Bellary and there sold to the mills, the net profit excluding establishment charges being Rs. 4,273 for 2,005 tons sold or Rs. 2–2–1 per ton.

In the Central Circle 40 acres were treated under coppice with standards in the Balapalli working-circle in *Cuddapah*. The cutting was done by contractors. In the Seshachalam reserve 2,031 cubic feet of red-wood poles were felled and most of them were sold to meet local demands for building and agricultural purposes. Under a similar system a large area of coupes were worked in *Salem*, and 17 coupes aggregating

an area of 2,260 acres sold in *Chingleput.* In *North Arcot* 29 coupes comprising 5,526 acres, were either worked departmentally or sold to contractors. Twenty-five of these were worked for supply of engine fuel to the Madras Railway Company and the rest to sugarcane boilers. In *South Arcot* six coupes aggregating 81·79 acres were operated on during the year. The total yield amounted to 378 cart-loads of fuel giving an average price of Rs. 5–11–4 per acre. In *Tanjore* three coupes, comprising an area of 168 acres in the Vettangudi reserved forest, were felled over by a contractor and the price realized was Rs. 880 against Rs. 600 in the preceding year.

In the Southern Circle three blocks, comprising 200 acres, were felled over by a contractor under the system of coppice with standards. The average price realized amounted to Rs. 8–8–0 per acre. Coppice fellings in *North Coimbatore* were carried out in fuel coupes under the permit system. In *Madura*, 1,046 acres in the Palamedu and Kanavoipatti ranges were sold standing to contractors; while in the Cumbum and Kodaikánal small areas were worked departmentally.

In the Central Circle there is rather a division of opinion among District Forest-officers about the felling out of thorny growth in coppice. Mr. Brasier in *Salem* is strongly averse to cutting it on account of the extra expense and because, if left standing, it acts as a nurse to seedlings; but Mr. Peake in *South Arcot* and Mr. Stanbrough in *Chingleput* advocate cutting it for the protection afforded by hedges formed from the material. The conditions are not, however, the same, for the growth in *Salem* is far more vigorous than in the two other districts, and possibly absolute protection from grazing and browsing animals is of paramount importance in very poor tracts. Experiments are being made, however, to test whether contractors will pay an appreciably higher price for coupes if the felling of thorns is not compulsory, as the savings might be utilized towards providing permanent fencing materials.

(5) UNREGULATED FELLINGS.

37. The system of felling and removal of produce under permits continues to prevail in almost all the districts. It is confined to the removal of inferior classes of timber, fuel and bamboos required in most cases to meet local demands. It is being gradually abandoned in *Gódávari* and *Bellary* in the Northern Circle and in *North Arcot* and *Tanjore* in the Central Circle. In the Southern Circle babul trees (*Acacia arabica*) of 2½ feet and over in girth were marked in lots of 100 and sold on permits in *Tinnevelly*. In *North Coimbatore* two coupes were opened for located bamboo fellings on permits, but the result was not satisfactory. The unregulated fellings in *North Malabar* included free grants made to poor ryots living in or near the forests and useful to the department in supplying labour when wanted, while in *South Malabar* bamboos were allowed to be removed from certain reserves by contractors for floating the timber purchased by them.

(*e*) *Extraction and Transport of Major Forest Produce by Land and Water.*

38. In *Ganjám*, a supply of timber was made to the Ordnance department, Madras, and of 100 Holondo (*Adina cordifolia*) sleepers to the East Coast Railway. The means of transport employed in both cases was by cart. In *Gódávari*, logs of timber were felled in the Bhadráchalam sub-division where transport by water is easy and of immense advantage. The felled logs were either carted or dragged by buffaloes to the river bank whence they were floated to Rajahmundry. In *Kurnool*, timber was dragged to the foot of the hills by bullocks and thence carted to the depots, while in *North Arcot* produce was generally transported by carts, ponies, donkeys and coolies through rough cart-tracks made by the contractors. In *Trichinopoly*, fuel was cut departmentally and supplied to the central jail and the South Indian Railway, carts and rail being respectively the means of transport. In *South Canara*, the newly-constructed road in Someshwar block and the rivers in Coondapoor and Puttur ranges were utilized for transport of timber. There was no change in the carriage of timber to depots in *North Malabar*. A small quantity, however, of fuel and bamboos was floated as an experimental measure from Kanoth to Tellicherry as in the previous year and sold at the latter place at a loss in fuel and profit in bamboos. In *North Coimbatore*, sandal was carried by coolies from the felling compartment to one of the roads and thence by carts to depot, while in *South Coimbatore*, timber was dragged by elephants, then trammed and subsequently carted to sale depots. In *Tinnevelly*, produce was transported as usual through roads or paths with the aid of carts, coolies or donkeys.

(*f*) *Exploitation of Minor Forest Produce.*

(1) Extraction of Fodder.

39. Owing to short rainfall and consequent want of food for cattle, the Board issued orders early in December 1899, authorizing the Collector of Kurnool to permit the free cutting of grass in reserved forests. The Collectors of the marginally-noted districts were also instructed to adopt similar measures, if, in their opinion the state of the season called for the concession in any part of their districts, care being taken to so work it as not to appreciably affect the supply of pasture for cattle for the grazing of which permits had already been taken out. This concession affected the revenue from sale of fodder. Only a sum of Rs. 155 was collected in *Kurnool*. The collection in *Anantapur* amounted to Rs. 88 against Rs. 105 in the previous year, while in *Bellary* it increased by 85 per cent., a sum of Rs. 1,524 having been realized against Rs. 818 during 1898–99. The amount would have been higher but for the concession of free removal. In *North Arcot* grass was allowed to be removed free from several reserves owing to the failure of the season. It was also removed on permits on payment. In *South Canara* the right to cut and remove grass was sold for Rs. 466 against Rs. 390 in the previous year, and in *South Malabar* a sum of Rs. 109 was realized from sale of grass.

(1) Gódávari. (4) Cuddapah.
(2) Kistna. (5) Bellary.
(3) Nellore. (6) Anantapur.

2. Grazing.

40. The fees levied were the same as those in the previous year in all the districts except *Gódávari*, *Kistna* and *Bellary*. Alien cattle proceeding to Rampa were charged As. 2 per head during the year and Rs. 1,123 were thus realized. Foreign cattle were allowed to graze in all the parcelles open in the Vinukonda and Palnad ranges in *Kistna* on payment of double fees, as the graziers complained that much hardship was caused by the practice of issuing separate permits for each parcelle, and licenses at this rate were issued to 23,809 buffaloes and 4,761 cows. Annas 8 for buffaloes and bullocks were levied in the Bezwada and Gunadála reserves under the sanction conveyed in Government Order, No. 92, Revenue, dated 3rd February 1899, and As. 8 for buffaloes and proportionately for other animals in the Kondavid, Mangalagiri, Weld and Kondapalli reserves. In respect of eight other reserves which are freely resorted to by foreign cattle the rates prevailing in the Bezwada reserve were sanctioned during the year, but do not appear to have been brought into force. The special rate of Re. 1 per plough-bullock was levied in the Jaggayapeta extension reserve, and the Collector has been asked to explain the circumstances under which this unauthorized tax was collected. The enhanced rates sanctioned for the North-East and Donimalai ranges of the Sandur leased forests in *Bellary* had the effect of driving the cattle from the leased forests into the Government forests so as to cause undue strain upon the latter, and with the sanction of Government the rates were equalized.

The following statement compares by Circles the revenue realized under "grazing and grass removals" during the year under report and that immediately preceding :—

Circle.	1898–99.	1899–1900.	Increase.
	RS.	RS.	RS.
Northern	1,43,544	1,79,065	35,521
Central	2,08,121	2,24,396	16,275
Southern	82,378	86,304	3,926
Total ..	4,34,043	4,89,765	55,722

There was again a satisfactory increase of Rs. 55,722, about 63·7 per cent. of which was contributed by the Northern Circle. Taking the districts individually, the revenue increased in *Kistna*, *Bellary*, *Salem*, *Trichinopoly*, *North Coimbatore*, *Kurnool*, *North Arcot* and *Nellore* by Rs. 16,059, Rs. 12,827, Rs. 10,540, Rs. 4,270, Rs. 3,955, Rs. 3,774, Rs. 3,705 and Rs. 2,765, respectively, while it fell in *Cuddapah*, *Tinnevelly* and *North Malabar* from Rs. 38,794, Rs. 6,796 and Rs. 1,489 to Rs. 34,520, Rs. 5,488 and Rs. 937, respectively. The cause for the decline in the revenue in *North*

Malabar is under enquiry. In *Cuddapah* it was due to the free grazing allowed in the reserves, and in *Tinnevelly* to the closing during the year of some of the grazing compartments open during the previous year and to the non-realization within the year of the sale amount of grass in the Kudrimalaiterai reserve. There was also a slight decrease in *Chingleput*, *South Arcot* and *South Canara*. The large increase in *Kistna* was due to the opening of larger areas for grazing and goat-browsing, to the levy of double and enhanced rates and to better supervision. The revenue realized in *Bellary* during the year was the highest since the introduction of the Forest Act, and is explained to be due to the strict check of the number of animals licensed and those resorting to the forests, to the timely and suitable arrangements made for the issue of permits, and possibly also, as in some other districts, to the bad season which prompted cattle owners to take their cattle to the reserves to find better grazing The increase in *Trichinopoly* was partly due to the levy of fees in the blocks notified under section 4 during the previous year and partly to better supervision. In *Salem* the enhanced fees were in force in the Hosúr and Dharmapuri ranges throughout the grazing season instead of a portion in the previous year. This fact and the larger amount of compensation fees levied for illicit browsing of goats and the levy of grazing fees in the blocks newly notified under section 4 contributed to the increase in the district. In *North Arcot* the number of animals for which permits were taken was less than in the previous year, which accounts for the greater number of cattle found grazing illicitly as reported above. In all the other districts the increase was due to better supervision.

(3) Miscellaneous Produce.

41. As reported in previous years the collection of miscellaneous produce was, with but few exceptions, leased out to contractors. In *Vizagapatam* the right of collection in Golgonda was unsuccessfully put up to auction and the work was carried out departmentally, the receipts amounting to Rs. 6,714. In Palkonda and Sarvasiddhi Ranges where also departmental working was in force there was a fall in receipts from Rs. 14,757 to Rs. 9,219 due to the poorness of the tamarind crop. The only departmental collection in *Kistna* was that of 410 lb. of nux-vomica seed for supply to the Medical Storekeeper, Madras. The right of collecting minor produce in the Nallamalais in *Kurnool* belongs to the Chenchus free of charge. In *Bellary*, *Anantapur*, *Chingleput*, *Salem*, *Tanjore* and *Madura*, stones, leaves for manure, thatching grass, &c., were removed on permits. The collection of Divi-divi pods was undertaken departmentally in *Chingleput*, *North Arcot* and *Trichinopoly*. In *South Canara* the manufacture of catechu, cinnamon and sandalwood-oil, collection of cardamoms and extraction of wood-oil were done departmentally. Fifteen tons and 1,757 lb. of catechu, against 15 tons and 854 lb. in the previous year, were manufactured at a cost of Rs. 195 per ton and sold for Rs. 685 a ton or at a loss of Rs. 67 as compared with the previous year's rate. The decrease was due to one man having practically a monopoly. A further quantity of 1 ton and 1,617 lb. of inferior catechu was also manufactured from the trees felled on the boundary lines of the Baindur and Savantagudde blocks on contract at Rs. 75 per candy of 500 lb. The higher rate was due to the distance the trees had to be carried. This quantity was sold for Rs. 2,154. Cinnamon-oil distillation was carried on to a small extent and realized Rs. 363 against Rs. 324 in the previous year. The sandal stills increased from 351 to 364 during the year under report. The contractors were permitted to fell and remove firewood from strips marked out on payment of Re. 1 per still per mensem. Each distillation lasted 21 days and 364 stills had 3,917 such distillations. The average quantity of firewood consumed per day for a still was 182 lb. and the area felled over was 215 acres. A net revenue of over Rs. 12 per acre was realized for the areas worked. The revenue realized from the stills amounted to Rs. 2,590 or Rs. 870 more than that obtained in the previous year. The wood-oil was extracted from *Dipterocarpus lævis* trees and is much in demand for painting wood work. The collection cost Rs. 67–9–8 and the receipts amounted to Rs. 518 on sale of 1,158 pounds. In *North Malabar* three tins of liquid gum kino were collected and nearly 500 lb. of superior kino were dried in a shed specially constructed for the purpose. 418 lb. of dried kino were sold for Rs. 627. In the *North Coimbatore district* the collection of minor produce was made by the departmental agency. The collection of gallnuts and vembadam bark considerably increased.

CHAPTER III—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

42. The subjoined abstract shows the total outturn of timber and other produce collected during the year as compared with that of the previous year :—

ABSTRACT I.—Comparative yield as per Forms Nos. 55, 56, 72A and 72B.

—	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees).*	
	1898-99.	1899-1900.	1898-99.	1899-1900.	1898-99.	1899-1900.	1898-99.	1899-1900.
1	2	3	4	5	6	7	8	9
By Government Agency ..	662,916	567,324	2,889,534	3,210,384	397,177	384,925	41,649	49,365
By purchasers (including confiscations)	1,958,096	2,274,117	10,229,486	11,115,841	25,535,500	27,306,029	9,02,537	10,07,674
By free grants	54,058	58,380	3,183	9,188	126,970	166,515	2,334	3,063
By right-holders	1,423	1,773	257,523	257,574	21,370	21,289	40,304	40,061
Total ..	2,676,493	2,901,594	13,379,726	14,592,987	26,081,017	27,878,758	9,86,824	11,00,163
Increase or decrease in 1899-1900 as compared with 1898-99	..	+ 225,101	..	+1,213,261	..	+1,797,741	..	+ 1,13,339
Percentage of increase or decrease over the previous year	..	+ 8·4	..	+ 9·0	..	+ 6·9	..	+ 11·5

* Includes value of grass cut and grazing fees.

The result under all heads shows an increase. The causes of the difference are explained below under the respective items.

Section I.—Departmental Operations.

43. The following abstract shows the produce collected and disposed of departmentally during 1899-1900 as compared with that of the previous year :—

Produce collected.	During 1898-99.			During 1899-1900.		
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1	2	3	4	5	6	7
		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. C. ft.	658,882	69,269	0 1 8	564,056	68,769	0 1 11
Fuel .. .. ,,	2,889,534	1,18,410	0 0 8	3,210,384	1,43,412	0 0 9
Bamboos .. .. No.	397,177	6,489	0 0 3	384,925	6,665	0 0 3
Sandalwood .. .. C. ft.	4,034	4,454	1 1 8	3,268	4,232	1 4 9
Minor produce .. .. Mds. (25 lb.)	33,286	18,246	0 8 9	43,348	25,421	0 9 5
Total ..	..	2,16,868	..	..	2,48,499	..

Produce disposed of.	During 1898-99.			During 1899-1900.			Stock on 1st July 1899.	Stock on 30th June 1900.
	Quantity.	Cost.	Average.	Quantity.	Cost.	Average.		
	8	9	10	11	12	13	14	15
		RS.	RS. A. P.		RS.	RS. A. P.		
Timber .. .. C. ft.	418,522	1,67,411	0 6 5	357,387	1,71,832	0 7 8	559,794	766,463
Fuel .. .. .. ,,	2,814,450	1,96,273	0 1 1	2,948,644	2,44,200	0 1 4	731,410	993,150
Bamboos .. .. No.	345,390	8,159	0 0 5	406,390	7,929	0 0 4	69,928	48,463
Sandalwood .. .. C. ft.	3,301	27,796	8 6 9	3,243	28,382	8 12 0	1,137	1,162
Minor produce Mds. (25 lb.)	59,927	50,008	0 13 4	40,507	49,251	1 3 5	15,234	18,075
Total ..	..	4,49,647	..	..	5,01,594	..	..	..

Compared with the collection of the previous year, the total quantity collected departmentally under timber, bamboos and sandalwood shows a decrease, while that under fuel and minor produce shows an increase. The decrease under timber is noticeable particularly in *Bellary*, *South Canara*, *South Malabar*, *Nilgiris* and *South Coimbatore*. This decrease was somewhat counterbalanced by the increase which occurred chiefly in *Ganjám*, *Cuddapah* and *North Malabar*. The decrease in *Bellary* was due to the stoppage of fellings, as there remained on hand a large quantity of the previous year's stock, while that in *South Canara* has not been explained. In *South Malabar* the limited quantity of timber felled from coupe No. V, and the area felled over by selection being only 877 acres against 1,195 in the previous year, accounted for the decrease. The decrease in the *Nilgiris* was due to the fact that no other timber except *Terminalia tomentosa* was felled in the Mudumalai forests, and that in *South Coimbatore* was due to the felling of a less quantity in Tekadi leased forests on account of the already large stock of timber remaining undisposed of in the forest depots of the Tunacadavu range from the previous year's stock, and to absence of felling in the areas leased out for coffee cultivation on the Anamalais. The increase in *Ganjám* was ascribed to the improvement fellings undertaken in the Kurcholi reserve; that in *Cuddapah* was due to collection of timber for famine tools, of redwood roots for supply to Messrs. Wilson & Co., Madras, and of miscellaneous timber in excess of the previous year's collections, and that in *North Malabar* to the felling of matti trees for sleepers, &c. Under *fuel* there was a noteworthy increase in *Kurnool*, *Cuddapah*, *Nellore*, *South Arcot*, *Salem*, *South Canara* and *South Coimbatore*, partly counterbalanced by decrease in *Bellary*, *Chingleput*, *North Arcot*, *Trichinopoly* and *Nilgiris*. The increase in *Kurnool* was due to the carrying out of improvement fellings in the Diguvametta block and to the clearing of forest around Chelama Railway station, while that in *Cuddapah* has not been explained. The cutting of fuel in *Nellore* according to sanctioned working-plans accounts for the increase in that district. The clearing of land for the South Indian rifle range in Panampattu reserved forest near Villupuram in the *South Arcot* district explains the increase in that district. The supply of a larger quantity of engine fuel to the Madras Railway Company accounted for the increase in the *Salem* district. No explanation for the increase in *South Canara* has been furnished. The increase in the quantity of fuel felled in *South Coimbatore* was due to the larger yield of the coupes in the Ayirangal working-circle. The decrease in *Bellary* was due to the causes already noted under "timber", and that in *Chingleput* to restricted fellings due to absence of brisk demand for fuel. The stoppage of departmental supply of engine fuel to the Madras Railway Company and other firms, due to the fact that the company accepted the tenders of contractors at reduced rates, was the cause of the decrease in *North Arcot*. The decrease in *Trichinopoly* was due to the fact that last year's figures included a quantity of fuel felled before 1st July 1898 for supply to the South Indian Railway Company during 1898–99. The decrease in the *Nilgiris* was due to the fall in the sale of charcoal, as the breweries, the chief consumers of that product, had arranged with private dealers for the requisite supply.

Under "bamboos" the decrease occurred chiefly in *North Coimbatore* for want of brisk demand. Illicit cutting on a large scale is reported to have been carried on in the district, and to this to a certain extent the decrease must be attributed. The matter is under enquiry. This decrease was partly counterbalanced by increase in *South Arcot* and *South Malabar*. In the former district departmental felling was undertaken to afford a living to the Malayalies who suffered for want of labour and a supply of latties was made to the District Police force. In *South Malabar* the increase was due to the floating down to Beypore of timber from Karumpoya reserve for sawing into sleepers.

Under "sandalwood" the decrease occurred mainly in *North Coimbatore* and the *Nilgiris*. In the *Nilgiris* it is attributed to an absence of mature trees; but there is no explanation from *North Coimbatore*.

Under "minor produce" the increase occurred mainly in *Nellore*, *Salem* and *South Coimbatore*, partly counterbalanced, however, by decrease chiefly in *Vizagapatam*. The collection of the produce according to the sanctioned working-plan of the Sriharikota reserve accounted for the increase in the *Nellore* district, while a collection of a

considerable quantity of hay from the specially protected blocks and felled areas in Uttangarai, Salem West, and Salem East, ranges, gave rise to the increase noticed in *Salem*. The increase in *South Coimbatore* was due to larger collections of all kinds of produce made during the year as compared with that of the previous year.

Under "disposals" the total quantity shows an increase under all heads except timber, sandalwood and minor produce. The decrease under "timber" occurred chiefly in *Ganjám*, *Cuddapah* and the *Nilgiris*, partly counterbalanced by increase, principally in *South Malabar*. The cause for the decrease in *Ganjám* has not been explained, while in that in *Cuddapah* was attributed to the non-disposal of redwood roots, which have been tendered for by Messrs. Wilson & Co. The decrease in the *Nilgiris* was due to the causes already explained under "collection". For the increase in *South Malabar* no explanation has been tendered. The disposals under "fuel" show an increase, *Bellary*, *Nellore* and *Salem* being chiefly responsible for it. On the other hand, there were decreases, chiefly in *North Arcot*, *Trichinopoly*, the *Nilgiris* and *South Coimbatore*. In *Bellary* the following causes led to the increase :—(1) Departmental supply to the cotton mill which was supplied by private dealers in previous years, (2) brisk demand for branch wood from the coupes in the Sandur leased forests, and (3) successful endeavours made to create a market for the Sandur fuel. The increase in *Nellore* was due to the working of the coast range forests under sanctioned working plans, and that in *Salem* to causes already explained under "collection". The decrease in *South Coimbatore* was due to there being no proper demand for the fuel felled in Chinnar working-circles owing to the coupe contractors selling their fuel cheaper than the department and to the very large yield from the coupes of the Ayirangal working-circle. The decrease in the other districts was due to causes already explained under "collection".

The disposal under "bamboos" shows an increase which occurred mainly in *South Arcot* and was due to causes already explained under "collection". This increase was partly counterbalanced by small decreases scattered over several districts.

Under "sandalwood" the disposals show a slight decrease, which mainly occurred in the *Nilgiris* and was due to causes already explained under "collection."

Under minor produce the disposals exhibit a decrease, to which *Vizagapatam*, *Nellore*, *North Malabar* and *North Coimbatore* principally contributed. This was, however, partly counterbalanced by increase chiefly in *Salem* and *South Coimbatore*. In *North Malabar* the decrease was due to the collection of a smaller quantity of gum kino during the year and to the fact that other articles, such as honey, wax, gall-nuts, &c., were collected by contractors. The decrease in the other districts has not been explained by the Collectors concerned. The increase in *Salem* is attributable to collection and sale of hay, and that in *South Coimbatore* to larger collections and sale of products, such as gall-nuts and honey.

As regards cost of collection there was an increase in the rate under all the heads except "bamboos". The increase in the case of "timber" was due to the absence of fellings as in the previous year in the area leased out for coffee cultivation on the Anamalais in *South Coimbatore*, where the rate was low, and to the tramming and carting of a greater number of logs this year to sale depots. The increase in the rate for fuel is small and calls for no remark. Under "sandalwood" the increase was principally due to the difficulty of digging up of roots. The increase in the rate for "minor produce" was chiefly noticeable in *North Coimbatore*, due to the departmental collection of Vembadam bark (ventieago) which is very costly.

The average rate of sales shows an increase under all heads except bamboos. The increase under "timber" was due (1) to the sale of a comparatively greater quantity of teak in the Coimbatore depot during the year, (2) to advance payment made by the Ordnance department and by a purchasing contractor to the extent of Rs. 24,000 in *North Malabar*, and (3) to better rates in *South Malabar* and *South Canara*. Under "fuel" the increased rate of sales was due (1) to the brisk demand in *Bellary*, (2) to better prices fetched during the year in *Salem*, *Tinnevelly* and *South Coimbatore*. The decrease under "bamboos" was due generally to the sale of only small bamboos. Under "sandalwood" the increase occurred mainly in *North Coimbatore*, due to better rates obtained for the produce. The increase under "minor produce" was due principally to better rates obtained in *Nellore* and *North Coimbatore*.

Section II.—Removals by purchasers.

44. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review, as compared with those of the preceding year :—

(Form No. 72 A.)

Abstract K.—Produce removed by purchasers.

		During 1898–99.			During 1899–1900.		
		Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		TONS.	RS.	RS. A. P.	TONS.	RS.	RS. A. P.
Timber	C. ft.	1,109,119	1,15,757	0 1 8	1,313,516	1,39,361	0 1 8
Firewood	,,	2,683,229	59,575	0 0 4	2,698,974	51,864	0 0 4
Bamboos	No.	14,223,975	67,983	0 0 1	15,273,688	74,206	0 0 1
Grass and grazing	..	..	1,43,594	..	..	1,79,051	..
Minor produce	..	..	1,67,455	..	..	2,33,283	..
Total ..		..	5,54,364	..	..	6,77,765	..
Central Circle.							
Timber	C. ft.	510,865	59,030	0 1 10	516,559	62,039	0 1 11
Firewood	,,	3,058,873	1,07,643	0 0 7	3,759,016	1,49,479	0 0 8
Bamboos	No.	7,291,137	44,050	0 0 1	8,615,324	80,160	0 0 2
Grass and grazing	..	..	2,08,171	..	..	2,24,962	..
Minor produce	..	..	2,12,071	..	..	1,94,713	..
Total ..		..	6,30,965	..	..	7,11,353	..
Southern Circle.							
Timber	C. ft.	275,561	31,215	0 1 10	371,983	54,575	0 2 4
Firewood	,,	4,381,191	1,12,586	0 0 5	4,621,740	1,05,508	0 0 4
Bamboos	No.	3,978,543	18,728	0 0 1	3,367,484	20,247	0 0 1
Grass and grazing	..	..	82,402	..	..	86,266	..
Minor produce	..	..	88,054	..	..	89,108	..
Total ..		..	3,32,985	..	..	3,55,704	..
Presidency Total. Timber	C. ft.	1,895,545	2,06,002	0 1 9	2,202,058	2,55,975	0 1 10
Presidency Total. Firewood ..	,,	10,123,293	2,79,804	0 0 5	11,079,730	3,06,851	0 0 5
Presidency Total. Bamboos ..	No.	25,493,655	1,30,761	0 0 1	27,256,496	1,74,613	0 0 1
Presidency Total. Grass and grazing	..	.	4,34,167	..	..	4,90,279	..
Presidency Total. Minor produce ..	..	..	4,67,580	..	..	5,17,104	..
Grand Total of Sales ..		..	15,18,314	..	..	17,44,822	..

The total value of removals by purchasers shows a net increase of Rs. 2,26,508 over the previous year's amount as shown in the margin. The increase is distributed over all classes of produce.

		RS.
Timber	+	49,973
Fuel	+	27,047
Bamboos	+	43,852
Grass and grazing	+	56,112
Minor produce	+	49,524
Total ...		2,26,508

Under "timber" there was a noticeable increase in the districts of *Gódávari*, *Kurnool*, *North Arcot* and *South Malabar* partly counterbalanced, by decrease chiefly in *Salem*, which was due (1) to the non-issue of permits for first class and reserved timber in large quantity pending the regulation of such fellings on a proper system and (2) to the decrease in the collection of the value of trees on darkhast lands on account of the badness of the season. The increase in *Gódávari* was due to removal of teak poles from large areas of unreserved lands leased out for cultivation in the Bhadrachalam Sub-division and in the Yernagudem range. Brisk demand for timber was the cause of the rise in *Kurnool*. In *North Arcot*, as the whole amount of the leases running for 15 months from 1st April 1898 to 30th June 1899 was shown as sales during 1897–98, the sale amount shown in 1898–99 was short of the actual amount and this appears also to be less than that realized during the year under report. The removal of wind-blown teak saplings from the Panangod and Walluvacheri plantations and of junglewood from the natural forests of the Nilambur range by contractors contributed to the increase in *South Malabar*.

Under "fuel" there was an increase markedly in *Nellore*, *North Arcot*, *Trichinopoly* and *South Canara*. The sales of several coupes in *Nellore* contributed to the increase in that district. The explanation for the increase in *North Arcot* is the same as that furnished for the increase under "timber" in that district. The large supply of fuel to the Public Works Department and to its contractors for important construction works, as well as the realization of the value of trees on dark-hast lands accounted for the increase in the *Trichinopoly* district. *South Canara* has furnished no explanation for the increase under this head. The increases in the above districts were partly counterbalanced by decrease mainly in *Gódávari*, *South Coimbatore* and *Madura*. That in *Gódávari* was explained by the fact that part of the sale-proceeds of the coupe in Coringa reserve was paid in June 1899 whereas the coupe was cut over during the forest year 1899–1900. In *South Coimbatore* it was due to the removal of a smaller quantity of green firewood from the Bolampatty range owing to a large supply being already in the market. The decrease in *Madura* was ascribed (1) to realization of low prices for the coupes sold in the Kanavoipatty and Palamedu ranges, (2) to a decrease in revenue from trees on poramboke lands and (3) to the wrong crediting of the revenue from certain poramboke trees to Land Revenue Miscellaneous by the Revenue Department.

Under "bamboos" the increase was noticeable principally in *Gódávari*, *North Arcot* and *Salem*. In *Gódávari* people in want of labour took to cutting bamboos; and in *Salem* the system of leasing out bamboo blocks was extended in the Uttangarai range. The increase in *North Arcot* was due to causes explained under "timber" against the district.

The variation under "grazing" has already been explained in Chapter II. Under "minor produce" the increase occurred chiefly in *Gódávari*, *Kurnool*, *Bellary*, *Anantapur* and *Nellore*. The levying of fees on minor produce in the Agency and in Rampa in the *Gódávari* district and the crediting to "Forests" of the sale-proceeds of the usufruct of trees on *asalminaha* lands (lands held free of assessment) contributed to the increase in that district. The inclusion of a portion of Rs. 16,000 which was the revenue derived from tangedu bark sales for 1900–1901 in the accounts of 1899–1900 and the collection of the palm-tree revenue which amounted to over Rs. 15,000 explain the increase in *Kurnool*. That in *Bellary* was due (1) to recovery of some of the outstandings on account of tangedu leases of previous years, (2) to the large amount realized by the leasing out of that produce during the year, (3) to higher revenue derived from fixed fees for date-trees and (4) from amroy (usufruct of fruit trees) sales. In *Nellore* the increase is due to the development of the mica industry. No explanation has been furnished from *Anantapur*. The increase is partly counter-balanced by decrease scattered over several districts, principally *Salem*, the cause of which is not explained.

45. The following abstract compares the cost of departmental and private working and shows the net profit derived under each system:—

Items.	Measure.	Quantity sold. c. ft.	Amount of sale-proceeds.	Charges. A. Conservancy and works.	Charges. B. Establishment and contingencies.	Charges. Total.	Net profit or loss.	Rate of net profit (column 8 ÷ column 3) per measure in column 2.
1	2	3	4	5	6	7	8	9
Departmental Working—			RS.	RS.	RS.	RS.	RS.	RS. A. P.
Timber	C.F.	357,387	1,71,832	68,769	59,207	1,27,976	+ 43,856	+0 1 11
Fuel	,,	2,948,644	2,44,200	1,43,412	1,23,472	2,66,884	− 22,684	−0 0 1
Bamboos	NO.	406,390	7,929	6,665	5,738	12,403	− 4,474	−0 0 2
Sandalwood	C.F.	3,243	28,382	4,232	3,644	7 876	+ 20,506	+6 5 2
Minor produce	MDS.	40,507	49,251	25,421	21,887	473,08	+ 1,943	+0 0 9
Private Working—								
Timber	C.F.	2,202,058	2,55,975	15,215	31,387	46,602	+2,09,373	+0 1 6
Fuel	,,	11,079,730	3,06,851	18,228	37,626	55,854	+2,50,997	+0 0 4
Bamboos	NO.	27,256,496	1,74,613	10,380	21,411	31,791	+1,42,822	+0 0 1
Grazing	..	..	4,90,279	29,140	60,117	89,257	+4,01,022	..
Minor produce	..	..	5,17,104	30,735	63,407	94,142	+4,22,962	..

The rate of profit realized by working "timber" departmentally was only slightly larger than that under private agency. The increased profit was due mainly to causes mentioned in paragraph 43 which explains the increase in the average rate of sales; "fuel" and "bamboos" however showed a loss. The loss under "fuel" was due mainly to the low prices obtained in *Nellore* for casuarina and junglewood owing to absence of competition. The "bamboos" sold were generally small and consequently fetched low prices. The increase under "sandalwood" as compared with the previous year was due principally to more favourable rates obtained during the year in *North Coimbatore*. The decrease in the profit realized under "minor produce" is explained by the fact that owing to the drought that prevailed only 40,482 maunds were sold as against 59,927 maunds in the previous year.

46. The sales of confiscated produce during the year under report as compared with those of the previous year are recorded in the subjoined abstract :—

(FORM No. 72-B.)

ABSTRACT L.—Confiscation.

—	During 1898–99.			During 1899–1900.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. C. ft.	43,749	3,422	0 1 3	51,979	4,887	0 1 6
Firewood .. .. .. ,,	76,312	1,245	0 0 3	5,463	288	0 0 10
Bamboos .. .. No.	30,788	289	0 0 2	13,402	185	0 0 3
Minor produce .. Money value.	..	83	..	..	83	..
Total ..	..	5,039	..	..	5,443	..
Central Circle.						
Timber .. .. C. ft.	11,651	3,522	0 4 10	11,085	1,178	0 1 8
Firewood .. .. .. ,,	6,057	284	0 0 9	7,741	410	0 0 10
Bamboos .. .. No.	4,299	102	0 0 5	3,950	80	0 0 4
Minor produce .. Money value.	..	455	..	..	101	..
Total ..	..	4,363	..	..	1,769	..
Southern Circle.						
Timber .. .. C. ft.	7,151	1,960	0 4 5	8,995	2,048	0 3 8
Firewood .. .. .. ,,	23,824	951	0 0 8	22,907	1,213	0 0 10
Bamboos .. .. No.	6,758	55	0 0 2	32,181	262	0 0 2
Minor produce .. Money value.	..	252	..	..	107	..
Total ..	..	3,218	..	..	3,630	..
Presidency Total.						
Timber .. .. C. ft.	62,551	8,904	0 2 3	72,059	8,113	0 1 10
Firewood .. .. .. ,,	106,193	2,480	0 0 4	36,111	1,911	0 0 10
Bamboos .. .. No.	41,845	446	0 0 2	49,533	527	0 0 2
Minor produce .. Money value.	..	790	..	..	291	..
Grand Total ..	..	12,620	..	..	10,842	..

The total amount of sales shows a decrease of about Rs. 1,700. The decrease occurred mainly in *Cuddapah* where more timber, and in *Salem* where more sandalwood were seized last year.

47. The following abstract statement shows the quantity and value of produce removed by right-holders and free-grantees :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
By Right-holders.		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	94	257,510	4,828	20,489	128	38,850	700	44,600
Central Circle	..	..	..	..	..	..	..	356	356
Southern Circle	462	61	64	3	800	2	68	87	221
Total ..	1,773	155	257,574	4,831	21,289	130	38,918	1,143	45,177
By Free-grantees.									
Northern Circle	32,182	2,400	1,048	19	116,440	583	249	..	3,251
Central Circle	21,131	3,609	400	25	42,360	281	1,201	1,515	6,631
Southern Circle	5,067	1,494	7,740	402	7,715	69	98	..	2,063
Total ..	58,380	7,503	9,188	446	1,66,515	933	1,548	1,515	11,945

Many houses were burnt in *Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *Trichinopoly*, *Tinnevelly*, *Madura* and *North Coimbatore*, and free grants were made to the ryots to enable them to rebuild them. In *Kistna* and *Cuddapah* there were fewer cases of destruction by fire. One thousand cart-loads of stones were allowed to be removed from waste lands in the *Bellary* district by persons who came forward to construct wells and build choultries for the convenience of the public. Information regarding free cutting and removal of grass in this and several other districts has been given under "3. Regulation of grazing" in the preceding chapter. The Muhammadan ryots of Vadugankalipalayam village in the Palladam taluk of *South Coimbatore* were allowed to cut fuel free in certain unreserved lands of the village for burning lime required for the reconstruction of their village mosque.

CHAPTER IV.—FINANCIAL RESULTS.

48. The revenue derived and the expenditure incurred during the year under review were the highest on record, and the surplus of receipts over expenditure (viz., Rs. 6,25,311) was also larger than in any previous year, except in 1895–96, when there was a surplus of Rs. 6,98,642 ; but it must be remembered that the expenditure, which amounted to Rs. 14,68,988 in 1895–96, rose to Rs. 16,88,196 in the year 1899–1900. The financial results of the year compared with those of the preceding year show an increase in the net revenue of Rs. 1,42,206, which would possibly have been greater but for the drought.

The subjoined statement compares by circles the revenue and expenditure of the year with those of the previous year :—

Forest year.	Circle.	Revenue.	Expenditure.			Net results.
			A. "Conservancy and works."	B. "Establishments."	Total.	
		RS.	RS.	RS.	RS.	RS.
1898-99	Northern	6,14,046	1,98,750	2,59,525	4,58,275	+ 1,55,771
	Central	8,73,772	2,48,912	2,81,023	5,29,935	+ 3,43,837
	Southern	5,87,436	3,20,139	2,83,800	6,03,939	— 16,503
	Total	20,75,254	7,67,801	8,24,348	15,92,149	+ 4,83,105
1899-1900	Northern	7,13,954	2,29,397	2,65,661	4,95,058	+ 2,18,896
	Central	9,63,093	2,85,449	2,94,553	5,80,002	+ 3,83,091
	Southern	6,36,460	3,17,555	2,95,581	6,13,136	+ 23,324
	Total	23,13,507	8,32,401	8,55,795	16,88,196	+ 6,25,311

The gross receipts exceeded those of the previous year by Rs. 2,38,253 and the total expenditure by Rs. 96,047. The increase under receipts was distributed over all the circles, notably the Northern and Central circles, which contributed Rs. 99,908 and Rs. 89,321, respectively. The expenditure increased likewise in the Northern and Central circles by Rs. 36,783 and Rs. 50,067, and in the Southern circle by Rs. 9,197. It is satisfactory to note that the results in the Southern circle showed a surplus of about 3·6 per cent. of gross revenue against a deficit of 2 per cent. in the previous year. The outstanding revenue due to the department at the close of the year under review and of the preceding year stood as Rs. 2,35,656 and Rs. 1,99,858, respectively, in the audited figures of the Accountant-General furnished in form No. 61. The variations under the several heads of revenue and expenditure between the past two years are explained below.

Receipts—Departmental working.

Timber, +Rs. 4,421. Due mainly to the realization of outstanding revenue. The revenue under this head is still less than that of the year 1897–98 by Rs. 57,837. It has for the present only been possible to arrange for the supply of railway sleepers

on a somewhat limited scale, and the revenue anticipated by the sale of large stock of timber in *South Malabar* and *South Coimbatore* reserved during the previous year for the purpose of seasoning the wood and for conversion in the Anamalai saw-mill was not realized.

Fuel, +Rs. 47,927. The increase is due (1) to the greater demand for fuel in *Bellary* and *Salem* from the mill and other local firms and from the Madras Railway Company and (2) to the working of the casuarina plantations in *Nellore* under the provisions of the sanctioned plan.

Bamboos, —Rs. 230.
Sandalwood, +Rs. 586.
Minor produce, —Rs. 757. } Small and requires no explanation.

Removals by purchasers.

Timber, +Rs. 39,229. Due mainly to the following causes:—(1) Increased demand for teak poles in *Gódávari*, (2) removal of a larger quantity of timber on permits in *Kurnool*, (3) realization of a larger revenue from trees on darkhast lands in *Cuddapah* and *Trichinopoly*, (4) sale of dead-wood and windfalls in *North* and *South Malabar* divisions.

Fuel, +Rs. 4,331. The better prices realized by the sale of coupes and fuel in Chingleput, the supply of a larger quantity of engine fuel to the Madras Railway Company from *North Arcot* and to the Public Works Department and its contractors in *Trichinopoly* accounted for the increase.

Bamboos, + Rs. 11,874. Ascribed to the permission granted to remove the produce on permit to a large extent in *Gódávari*, for providing means of livelihood for the poor, and to the extension of the system of leasing out bamboo blocks in *Salem* district.

Grazing, +Rs. 55,722. As has been explained elsewhere, due to more efficient control.

Other produce, +Rs. 38,160. Principally to the proper collection of *ad valorem* duty on minor produce exported from the Agency tracts in *Gódávari*, to increased revenue from tangedu and to the realization of a larger amount of fixed fees for date trees and amroy rents in *Bellary*. The better sales effected in *Salem* and the development of the mica industry in *Nellore* also contributed towards the increase.

Miscellaneous revenue, +Rs. 36,990. The increase was due principally to forfeiture of deposits by bamboo contractors in *Salem* for breach of the conditions of their agreements and to the collection of current and arrears of purchase money and assessment on lands on the Anamalais leased out for coffee cultivation in *South Coimbatore*.

The expenditure under A. "Conservancy and works" increased by Rs. 64,600. The excess of Rs. 31,631 under I. is proportionate to the increased revenue and was due to the extended departmental operations in *Bellary* and *Salem* and to the introduction of working plans in the reserves in *Nellore*. The increased commission paid to permit-issuing officers and the cost of additional temporary establishments entertained principally in *Kurnool* and *Nellore* explain the increase of Rs. 9,975 under II; while that under live-stock, stores, &c., Rs. 16,631 is ascribed partly to the capture and feed of a large number of elephants in *North Malabar* and partly to the supply of tents to officers in the Northern and Central circles. The expenditure upon improvement and extension of forests, VIII, showed an advance of Rs. 16,588, the result of (1) the clearing of reserve boundaries in Bhádrachalam sub-division in *Gódávari* undertaken as a famine work, (2) the cost of final demarcation and line-clearing done in *South Canara* preliminary to the operations of the Survey of India Party, (3) the acquisition of the Karakavalsa forests in *Vizagapatam*, (4) the planting operations undertaken in *Nellore* according to sanctioned working plans, and (5) the payment of municipal tax on plantations in the *Nilgiri* district. The cost of establishment increased by Rs. 31,447, due mainly to the employment of additional Extra Assistant Conservators, to the gradual and temporary promotion of Rangers and Deputy Rangers to the higher grades and the gradual augmentation of the subordinate staff to the sanctioned limit of reorganization. *Salem*, as usual, heads the list in contributing over 26 per cent. of the net surplus. *Gódávari* ranks next with 15 per cent. followed by *Nellore* 13 per cent., *Kistna* and *North Arcot* each 11 and *Bellary* 10.

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The *Nilgiris* as in last year showed a deficit of Rs. 38,357 which was due (1) to the suspension of felling operations of timber in the Mudumalai range and of sandalwood, to give rest to the forest, (2) to the felling of trees for conversion into sleepers and (3) to the fall in the revenue under firewood and charcoal owing to the failure to secure the Commissariat contract and to the absence of demand from the breweries, the chief consumers of the produce, the latter having made other arrangements for the supply. *Vizagapatam* showed also a deficit of Rs. 9,182. There was a fall in the revenue of the district due principally to bad season and an increase in expenditure due mainly to the money deposited in the District Court for the acquisition of the Karakavalsa forests; but this amount will be refunded during the current year if the proposal on hand to rent the forests is concluded.

CHAPTER V.—IMPORTANT ADMINISTRATIVE CHANGES.

49. *Realization of Revenue from the usufruct of Toddy-yielding trees on Government waste and Poramboke Lands.*—In *Ganjám* and *Vizagapatam* the revenue under this item was insignificant. The system of fixed fees has become popular in *Kistna* and is reported to be an improvement over the old auction system. In *Gódávari* a sum of Rs. 4,727 was realized during the year. In *Bellary* and *Anantapur* Rs. 17,286 and Rs. 13,603 were realized showing increases of Rs. 689 and Rs. 3,485, over the results of the previous year in these two districts respectively. In *Salem* and *Trichinopoly* also it is reported to be not more advantageous financially than the old system. The fixed fee system has only been in force for three years; in some districts the early auction rates were obviously speculative and a reaction appears to have set in at once. The system of fixed fees was introduced in *North Arcot* in October 1899; in *South Arcot* and *Tinnevelly* it has been introduced only during the current year; but the *South Arcot* practice was to include the right to charge fees on trees in the leases of minor forest produce. In *Madura*, *Malabar* and *South Canara* the number of Government trees is small, while there are no palms in the *Nilgiris*. In *Madura* and *Coimbatore* no one has come forward to bid for the trees in public auction or to take them on fixed fees. In some of the districts as for instance *Salem*, the people are reported to have been under the erroneous impression that the usufruct of Government trees included only the right to tap for fermented toddy but not the right to tap for sweet toddy, and in February 1899 Messrs. Parry & Co., complained to Government that the fixed fee had exercised a prejudicial effect on the manufacture of jaggery and suggested among other remedial measures that the fee of four annas might be reduced to one anna. The complaint was fully enquired into and it was found that nothing more was required than to lay down a rule for the guidance of Collectors that when the demand is very small a fee of one anna per tree is all that should be required and that the fee should be uniform throughout any one district whether the toddy drawn be sweet or fermented.

50. *Measures adopted to encourage the growth of manure-leaf-yielding trees and shrubs.*—In the Northern Circle an adequate supply of leaves is obtained by the agricultural population outside the reserves and no steps were taken to encourage the growth artificially. In *Bellary*, the chief species used are *Pongamia glabra* and *Cassia auriculata*, and rules were framed during the year by the Collector to regulate the extraction of the leaves of the latter species without damaging the larger stems, the bark of which is of great commercial value as a tanning agent. In the Central Circle very little was done in this direction except in *Cuddapah*, *Chingleput* and *Tanjore*. In the last-mentioned district an attempt to grow such trees proved a failure on account of the drought. In *Cuddapah* and *Chingleput* seeds of manure-leaf-yielding species were sown in some of the reserves, and the demand in the latter district were satisfactorily met from the reserves. In *Nellore*, there was no demand as the ryots are not accustomed to use leaf-manure. The results of the steps said to have been taken last year in *North Arcot* have not been reported. It was not found necessary to encourage the growth by artificial means in *South Arcot*. The right to cut and collect the leaves and twigs of shrubs, herbs, and climbers is leased out annually and special steps were taken during the year to have a proper record of outturn kept. In *South Canara* in the Southern Circle this subject was considered, but no defenite action was taken. In *Malabar* and *North Coimbatore*

no action is called for; manure leaves can be procured in great abundance from the extensive forests in the former district while the bulk of the irrigated lands in the latter are distant from forest areas. In *South Coimbatore* the demand is small and is met from the unreserved areas. Seeds of Kolingi (*Tephrosia purpurea*), the leaves of which are highly valued as manure, were sown over 30 acres in *Tinnevelly* and the seedlings are reported to be thriving; over one rupee per cart-load is paid for the right to collect and remove it and at times it is even carted 40 and 50 miles. The experiment will if successful be largely extended. In *Madura*, where the demand will probably be greatest, provision for the supply of leaves has been made in the working-plans, but it is reported that the ground is unsuited for the artificial reproduction of shrubs.

51. *Supply of forest produce to meet the wants of the people.*—In *Gódávari*, depots were opened for selling small timber and fuel to the public. In *Bellary* and *Anantapur* special facilities were afforded to the ryots to obtain timber, grass and green-wood by means of extensive departmental fellings. In *Chingleput*, the number of permit issuing stations was increased. Free grants of building materials were made in deserving cases in many districts. In *Salem* hay-making in the Morur block was attended with success. Charcoal was supplied at a low rate to the public from the Salem depot. Two more fuel depots were opened during the year in the district and the supply of agricultural implements from every depot was continued. In the other districts it is believed that reasonable facilities were, as a rule, afforded to the people for supplying their wants, and the Board hopes that careful arrangements to this end will soon be made every where in connection with the working-plans.

52. *Rules under the Forest Act.*—Rules for the management of forest and waste lands in the Jeypore estate in *Vizagapatam* and of the Wenlock Downs reserve in the *Nilgiris* as a pasture and recreation ground were sanctioned and published during the year. Draft rules for the management of the Nilambur leased forests have recently been submitted to Government. The rules for the Saptur estate in *Madura* were brought into force during the year and protection was, on the whole, fairly satisfactory. The forests are reported to be very poor, and it is feared that they will grow worse if they are not entirely closed to felling and grazing for a considerable time. In *Vizagapatam*, the proprietors of private forest lands are reported to value much the security given to them under the Timber Transit Rules in the matter of the transport of their produce to the market The Transit Rules for *Kistna* sanctioned at the close of the previous year were introduced in the district during the year and special tanna stations were established. In *South Coimbatore*, the people are becoming better acquainted with the provisions of the rules and they are worked without hardship. The reports from *Ganjám*, *Salem*, *South Canara* and *North Coimbatore* furnish no information on the working of the transit rules sanctioned for these districts In *Gódávari*, *Kurnool* and *Cuddapah* the rules have worked fairly well and no complaints were received.

53. *Working of the rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *South Arcot*, where babul trees on tank beds or disafforested areas are reported to have been cut; but steps are being taken to stop this. Revised lists of trees, which the villagers are prohibited from felling on unreserved lands were approved and sanctioned during the year for each range or taluk in all the districts of the Presidency; the number of such trees was limited to a maximum of twenty. In order to give wide publicity to these lists, the Collectors have also been requested to publish them frequently in their District Gazettes.

54. *Coffee cultivation in reserved forests.*—Of the three blocks advertised for sale last year in *South Coimbatore*, two were sold for the upset price of Rs. 5 per acre owing to absence of competition. The other block was sold at Rs. 9–8–0 per acre but the sale had to be cancelled as the purchaser failed to pay the purchase money. Agreeably to the instructions of Government restricting the grant of any more blocks it was not again put up to auction. The total number of coffee estates sold already is twenty, covering an extent of 18,494 acres and the rent and cesses due on them up to end of March 1900 are reported to have been collected. The owners of six of the estates have executed lease agreements, while in respect of three other estates the execution of the agreements are pending the payment of the stamp duty by the owners. The

agreements in the case of the eleven remaining estates have been sent to the owners for execution. In *Salem* two lease deeds were issued during the year for two blocks of 74 and 110 acres respectively, the grant of which was decided in previous years, and the total number of lease deeds issued was twenty-nine; the aggregate area covered by the leases was 3,389 acres and the annual demand Rs. 2,946.

55. *Tours of Forest Member.*—The Hon'ble Mr. J. Sturrock was the Forest Member till November 1899 and Mr. A. W. B. Higgens, for the remaining portion of the year. Mr. Sturrock proceeded to South Arcot in October 1899 and conferred with the Collector and the District Forest-officer on the vexed question of goat browsing in the district. Mr. Higgens paid one visit to *South Coimbatore* in January last to inspect the Sholakarai working-circle and another in the month of May to inspect the wild cardamom lands in the Anamalais in connection with disputes about the right of the hill tribes to collect the cardamoms. He conferred with the District Forest-officer, *Nilgiris*, in January and in March inspected the Tunnakonda reserve and the Reddipalli and Pullampet plantations and the Guvalacheruvu reserve in *Cuddapah*. He also proceeded to *Bellary* and *Salem* in April and inspected the Sandur leased forests in the former and the reserved forests near Yercaud in the latter district.

56. *Conservators' inspections.*—The subjoined statement shows the names of the Conservators who held charge of the three circles during the year, the number of days spent by them in camp, and the names of the districts inspected by them.

Circle.	Names.	Days in charge.	Days in camp.	Districts visited.	District Forest-offices visited.
Northern	Mr. E. D. M. Hooper	365	264	All	All.
Central	" J. W. Cherry	77	12	All	All except Cuddapah and Chingleput.
	" A. W. Peet	288	154		
Southern	" J. W. Cherry	181	98	All except North Coimbatore.	All except South Canara, North Malabar and North Coimbatore.
	" H. A. Gass	184	140		

Mr. Gass was deputed in March to the Forest School at Dehra Dun to serve as a member of the Board of Control.

57. *Touring of the District Forest-officers.*—All the District Forest-officers except those of *Trichinopoly cum Tanjore*, *Nellore*, *Tinnevelly*, and the *Nilgiris* spent more than half the year in camp. The short touring in the *Trichinopoly* charge was due to the frequent change in the *personnel* of the District Forest-officers. The touring of the officers in charge of the *Nilgiris* fell short of the prescribed minimum owing to the continued ill-health of Mr. Douglas, while the reason for short touring of the officers in the other districts has not been reported.

58. *Inspection of Range offices by the District Forest-officers.*—The range offices in all districts except *Gódávari*, *Bellary*, *Kurnool*, *South Arcot*, *Trichinopoly*, *North* and *South Coimbatore* and *Tinnevelly* were inspected twice during the year. In the districts excepted some Range offices were inspected only once, and others twice. No information on this point is contained in the reports from *Kistna* and *Nellore*.

59. *Audit of the accounts of the District Forest-offices.*—The accounts of all District Forest-offices except *North* and *South Malabar* were audited as usual by the Local Fund inspecting staff of the Accountant-General's office and the results are reported to be satisfactory. The reports from *Nellore*, *Tinnevelly* and the *Nilgiris* contain no information on the subject.

60. *Forest School.*—Four stipendiary students and one Ranger were sent to the Forest school from the Central Circle, four Deputy Rangers and two stipendiary students from the Northern Circle and one Deputy Ranger and a stipendiary from the Southern Circle; one forester deputed from the Southern Circle, was sent back as he was found incompetent. Three Deputy Rangers sent to the school in 1898 returned with Ranger's certificates, two to the Northern Circle, and one to the Central Circle.

61. *Conference of the District Forest and Divisional-officers during jamabandi* — The instructions of the Board on this subject were attended to in all the districts except *Kistna*, *Bellary*, *Kurnool*, *Nellore*, *South Arcot*, *Tanjore*, *Trichinopoly* and *North Malabar*. In *Kistna*, *Bellary* *Nellore*, *South Arcot*, *Kurnool* and *North Malabar*, the meeting of the officers was rendered impossible by the Ditrict Forest-officers of the districts being engaged in important inspection work during jamabandi. The Board is issuing further instructions on this subject with a view to promote harmonious working by Revenue and Forest officers in the interests of the people. There were no complaints of any importance except a few in *Ganjám*. The requests in *Ganjám* took the form of prayers to be allowed free grazing and to be permitted to cut reserved trees in unreserved lands, &c. No information has been furnished in the reports from *Madura* and *North Coimbatore*.

62. *Conduct and work of the establishment.*—Northern Circle.—One Deputy Ranger and one Forester in *Ganjám* were reported to the Conservator for unsatisfactory work. The services of a probationary Forester were dispensed with in *Vizagapatam* for absence without leave. In *Gódávari*, one Deputy Ranger was transferred for unsatisfactory work and one Forester suspended for leaving the district without permission. In *Kistna*, the prosecution of the Deputy Ranger (mentioned in last year's report) for misappropriation of grazing revenue fell through as the witnesses retracted their statements before the Magistrate. One Deputy Ranger was arrested for cheating by personation, but the result of the trial is not yet known. In *Bellary*, the services of a Deputy Ranger were dispensed with for suspected misappropriation of Government money and another reduced a few steps in his grade for continued unsatisfactory work. The services of one Forester were dispensed with for fraudulent conduct and sanction has been obtained for the prosecution of another (who has, however, absconded) for embezzlement of Government money.

Central Circle.—A Forester in *Chingleput* was suspended for misconduct and neglect of duty. In *Trichinopoly*, the work of a Ranger was found very unsatisfactory while another in *South Arcot* was dismissed. In *Salem*, a Deputy Ranger was acquitted by the Magistrate of embezzling Government money but he will be punished departmentally.

Southern Circle.—One Ranger was reduced a few steps in his grade for carelessness. Two foresters were suspended for absence without leave and another for neglect of duty; of these one resigned and the services of another were dispensed with. Two other foresters also resigned.

The conduct of the protective staff in all the three circles was, as usual, very unsatisfactory. Several Forest guards and watchers were suspended, fined or dismissed for gross neglect of duty, misconduct or misappropriation. In *North Arcot* one Forest guard was found murdered but the accused were discharged for want of evidence. A sum of Rs. 390 was stolen from the cash chest of Ranger Kulasekharan Chetty, who was ordered to make good the loss. The question of adopting severer disciplinary measures suggested by Government in its review on the last year's report will be reported on separately.

63. *Health of the establishment.*—In the Northern Circle, *Ganjám*, *Vizagapatam* and *Godávari* are, as usual reported to be unhealty for forest officers.

In the Central Circle, *Cuddapah* had the largest number of deaths, including those of two Foresters. *Nellore* and *Salem* were unhealthy. One Ranger died of carbuncle in *North Arcot*.

In the Southern Circle, *South Coimbatore* was very unhealthy, *South Malabar* unhealthy, *Tinnevelly* healthy, the *Nilgiris* healthy except in parts, and the rest fairly healthy.

64. *Service books.*—These are reported to have been maintained and verified in all the districts.

65. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all the districts. In *South Canara* some discrepancies were found between the District Forest-office registers and those maintained in the Range offices. No mention is made in the *Nilgiri* Collector's report about the maintenance of these registers.

66. *Elephants.*—The elephant in *Vizagapatam* improved in her health and proved very useful. One of the two in *Gódávari* is reported to be unfit for service, also two in *South Canara*. Twenty-five elephants were captured during the year—five in *South Coimbatore*, two in *South Malabar* and eighteen in *North Malabar*. One calf was born in *North Malabar* one in the *Nilgiris*, and one in *South Coimbatore*. Nine elephants died and two were sold, seven of the deaths occurring in *South Coimbatore* chiefly owing to the drought. The number of elephants is shown as 70 in form No. 63 against 53 in the previous year.

67. *Rain-gauges.*—Readings are reported to have been properly recorded in all districts except *Ganjám* in the Northern Circle, *Nellore*, *Chingleput*, *Trichinopoly* and *Salem* in the Central Circle, and *Tinnevelly*, the *Nilgiris* and *South Canara* in the Southern Circle. The damaged rain-gauge at *Anantapur* has not been repaired, and there seems to have been something wrong with one or both the gauges in *Tanjore*, which though located only 3 miles apart, showed incompatibly different readings.

68. *Iron industry in the Salem district.*—Some experiments on a small scale were made to ascertain whether the local industry could not be revived on a paying scale. It was found that under the usual method (by using the ordinary native furnace, chiefly made of clay) 12½ lbs of iron per rupee could be manufactured. The local rate at Salem is however 16 lbs. per rupee. It is hoped that by the introduction of improved methods, especially of blast, the industry may be again set on foot on an extensive scale. This matter was also discussed with the Inspector-General of Forests during his recent visit.

69. *Mica.*—Of the 48 mines sanctioned in *Nellore*, only 28 were actually working. There were eight sanctioned mines in patta lands and eight mines are reported to have been working in shrotriem lands and zamindari villages. The manufacture of "flimsy mica" from waste mica was largely carried on. Most of the mines were in the Rapúr taluk. No fatal accidents are reported to have occurred during the year. The royalty deposited amounted to Rs. 49,168 against Rs. 22,617 in the previous year. Mica of an inferior sort as well as traces of manganese are reported to have been found in *Ganjám*. In *Gódávari*, Rs. 466 was collected as seigniorage on graphite from the Gódávari Coal Company. Messrs. Best & Co. have applied for a license to explore for graphite in the Bhadráchalam taluk. They have also set up plant for boring for coal in the Yernagudem range. In *Tinnevelly*, a license has been granted for exploring for mica, coal and plumbago in the forests of Rayapaliem.

70. *Work and services of superior officers.*—Northern Circle.—Mr. E. D. M. Hooper, the Conservator, says: "The only officer who has served under the Conservator is Mr. S. Cox, Deputy Conservator of Forests, who did hard and good work in the sâl forests of *Ganjam*". The Collector of *Kurnool* makes special mention of the good work done by M.R.Ry. Nallasami Nayudu Garu who was in charge of the sub-division of the district.

Central Circle.—Mr. A. W. Peet, the Conservator, says: "On the whole the work of the District Forest-officers was very satisfactory. The very large revenue obtained in *Salem* entailed a great strain on Mr. Brasier, who should be given full credit for his initiative and powers of organization. Mr. Foulkes in *Nellore* devoted particular attention to working plans."

Southern Circle.—Mr. H. A. Gass, the Conservator, says: "The Acting Conservator was in charge of the circle for six months only and is able to invite attention again to and to repeat the remarks made in last year's report on the Divisional-officers."

Messrs. Popert and Douglas retired during the year with effect from 26th March and 4th May 1900, respectively.

APPENDICES.

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1899–1900.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1899.		Added during the year.	Excluded during the year.	Area on 30th June 1900.		Area on 1st July 1899.		Added during the year.	Excluded during the year.	Area on 30th June 1900.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													
Ganjám	265,619	415	46,703	..	312,322	488	79,072	123	5,675	51,970	32,777	51	539
Vizagapatam	90,849	142	50,353	..	141,202	221	135,682	212	..	50,353	85,329	133	354
Gódávari	554,359	866	49,840	..	604,199	944	57,342	90	2,053	55,220	4,175	7	951
Kistna	478,696	748	35,281	..	513,977	803	253,602	396	5,706	51,585	207,723	325	1,128
Kurnool	1,282,374	2,004	46,028	..	1,328,402	2,075	573,282	896	..	57,826	515,456	806	2,881
Bellary	304,420	476	30,978	555	334,843	523	86,180	135	2,476	29,524	59,132	92	615
Anantapur	320,118	500	4,107	..	324,255	507	4,860	7	2,011	4,860	2,011	3	510
Total ..	3,296,465	5,151	263,290	555	3,559,200	5,561	1,190,020	1,859	17,921	301,338	906,603	1,417	6,978
Central Circle.													
Cuddapah	1,187,207	1,855	111,150	320	1,298,037	2,028	382,765	598	15,035	127,176	270,624	423	2,451
Nellore	417,260	652	9,425	..	426,685	667	35,701	56	31,159	10,315	56,545	88	755
Chingleput	134,247	210	270	..	134,517	210	3,029	5	..	553	2,476	4	214
North Arcot	748,406	1,169	10,734	2,161	756,979	1,183	42,819	67	1	9,945	32,875	51	1,234
South Arcot	438,458	685	..	..	438,458	685	15,510	24	..	..	15,510	24	709
Salem	791,420	1,237	13,294	336	804,378	1,257	119,329	186	21,425	15,646	125,108	196	1,453
Trichinopoly	138,087	216	15,397	..	153,484	240	68,293	107	229	18,503	50,019	78	318
Tanjore	11,519	18	..	..	11,519	18	..	..	..	..	..	..	18
Total ..	3,866,604	6,042	160,270	2,817	4,024,057	6,288	667,446	1,043	67,849	182,138	553,157	864	7,152
Southern Circle.													
South Canara	181,964	284	136,290	65	318,189	497	518,906	811	..	137,337	381,569	596	1,093
Malabar, North	101,843	159	..	2	101,841	159	72,256	113	..	..	72,256	113	272
Do. South	121,416	190	..	..	121,416	190	88,731	138	19	..	88,750	138	328
The Nilgiris	229,375	358	19,957	5	249,327	389	85,126	133	1,360	22,552	63,934	100	489
Coimbatore, North	678,898	1,061	31,040	2,560	707,378	1,106	356,657	557	23,414	38,655	341,416	533	1,639
Do. South	418,389	654	1,882	..	420,271	657	1,885	3	303	1,885	303	1	658
Madura	366,410	572	15,835	4	382,241	597	23,746	37	1,154	15,935	8,965	14	611
Tinnevelly	266,759	417	857	..	267,616	418	7,490	12	..	857	6,633	11	429
Total ..	2,365,054	3,695	205,861	2,636	2,568,279	4,013	1,154,797	1,804	26,250	217,221	963,826	1,506	5,519
Grand Total ..	9,528,123	14,888	629,421	6,008	10,151,536	15,862	3,012,263	14,706	112,020	700,697	2,428,586	3,787	19,649

Annual Form No. 44.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Ganjám	Paluru block of the South Mohiri reserve.	..	..	629	..	629	..	No. 256, dated 6th June 1899.
	Gundribadi and north and south extensions.	..	..	7,542	..	7,542	..	No. 269, dated 13th June 1899.
	Tiliki	..	..	11,216	..	11,216	..	No. 338, dated 24th July 1899.
	Rogada	..	..	15,029	..	15,029	..	No. 342, dated 24th July 1899.
	Ramagodo	..	..	7,955	..	7,955	..	No. 414, dated 19th September 1899.
	Kaliyamba extension ..	..	..	1,543	..	1,543	..	No. 117, dated 15th March 1900.
	Ramapalli blocks A and B ..	..	..	2,789	..	2,789	..	No. 119, dated 15th March 1900.
	Area notified in previous years.	265,619	415	..	..	265,619	..	....
	Total ..	265,619	415	46,703	..	312,322	488	....
	Reserved lands (not transferred to reserved forests during the year).							
	Dhumi Dhumi	..	..	2,797	..	2,797	..	No. 494, dated 11th November 1899.
	Area notified in previous years.	* 33,912	..	† 1,335	‡ 5,267	29,980	..	....
	Total ..	33,912	..	4,132	5,267	32,777	51	....
	Reserved forests.							
Vizagapatam.	Dharakonda	..	..	46,880	..	46,880	..	No. 320, dated 11th July 1899.
	Karaka extension block 1.	..	..	1,148	..	1,148	..	No. 456, dated 7th October 1899.
	Arlova extensions A and B	..	..	1,509	..	1,509	..	No. 483, dated 1st November 1899.
	Kadagandi extension 3 ..	..	..	816	..	816	..	No. 142, dated 23rd March 1900.
	Area notified in previous years.	90,849	142	..	..	90,849	..	....
	Total ..	90,849	142	50,353	..	141,202	221	....
	Reserved lands (not transferred to reserved forests during the year).							
	Area notified in previous years.	85,329	..	..	..	85,329	133	....
	Reserved forests.							
Gódávari	Kovvada	..	..	17,799	..	17,799	..	No. 161, dated 2nd April 1899.
	Kopalli	..	..	14,924	..	14,924	..	No. 315, dated 4th July 1899.
	Jilugumilli	..	..	3,318	..	3,318	..	No. 398, dated 5th September 1899.
	Doramamidi extension ..	..	..	36	..	36	..	No. 407, dated 11th September 1899.
	Singampalli	..	..	3,142	..	3,142	..	No. 455, dated 7th October 1899.
	Dharbhagudem	..	..	2,660	..	2,660	..	No. 567, dated 15th November 1899.
	Rajavommangi	..	..	7,961	..	7,961	..	No. 38, dated 24th January 1900.
	Area notified in previous years.	554,359	866	..	..	554,359	..	....
	Total ..	554,359	866	49,840	..	604,199	944	....
	Reserved lands (not transferred to reserved forests during the year).							
	Ramasingavaram extension.	..	..	1,065	..	1,065	..	No. 454, dated 7th October 1899.
	Barrikonda do.	..	..	510	..	510	..	
	Area notified in previous years.	7,502	..	† 478	‡ 5,380	2,600	..	....
	Total ..	7,502	..	2,053	5,380	4,175	7	....

* Exclusive of the area of Kaliyamba extension notified both under sections 4 and 16 during the year.

† Rectification. ‡ At settlement.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Kistna	Pamidipad	..	..	1,796	..	1,796	..	No. 255, dated 6th June 1899.
	Gandrayi	..	..	730	..	730	..	No. 341, dated 24th July 1899.
	Madugula	..	..	2,055	..	2,055	..	No. 350, dated 31st July 1899.
	Budavada extension 3 ..	..	..	335	..	335	..	No. 355, dated 4th August 1899.
	Madinapad extension 2 ..	..	..	422	..	422	..	No. 397, dated 5th September 1899.
	Budavada extension 1 ..	..	..	570	..	570	..	No. 435, dated 29th September 1899.
	Do. 2 ..	..	..	580	..	580	..	No. 436, dated 29th September 1899.
	Pasvemula extension 5 ..	..	..	285	..	285	..	No. 437, dated 29th September 1899.
	Madinapad extension 1 ..	..	..	670	..	670	..	No. 439, dated 29th September 1899.
	Vinukonda	..	..	7,901	..	7,901	..	No. 469, dated 23rd October 1899.
	Nayanapalli	..	..	919	..	919	..	No. 510, dated 15th November 1899.
	Nizampatam	..	..	5,993	..	5,993	..	No. 526, dated 20th November 1899.
	Goli	..	..	5,015	..	5,015	..	No. 519, dated 27th November 1899.
	Vedullapalli extension 2 ..	..	..	603	..	603	..	No. 574, dated 18th December 1899.
	Vemavaram	..	..	1,700	..	1,700	..	No. 40, dated 23rd January 1900.
	Sitarampuram	..	..	925	..	925	..	No. 41, dated 23rd January 1900.
	Uppumagalur	..	..	972	..	972	..	No. 43, dated 23rd January 1900.
	Kakirala extension 2 ..	..	..	1,499	..	1,499	..	No. 70, dated 9th February 1900.
	Malleswaram	..	..	823	..	823	..	No. 91, dated 2nd March 1900.
	Guttikonda extension 3 ..	..	..	788	..	788	..	No. 178, dated 20th April 1900.
	Kottur extension	..	..	700	..	700	..	No. 232, dated 5th May 1900.
	Area notified in previous years.	478,696	748	..	..	478,696	..	....
	Total ..	478,696	748	35,281	..	513,977	803	
	Reserved lands (not transferred to reserved forests during the year).							
	Kakirala extension 5 ..	2,570	..	* 1,150	..	3,720	..	No. 304, dated 28th June 1899.
	Guttikonda extension 4 ..	762	..	* 1	..	763	..	No. 406, dated 11th September 1899.
	Manchikallu	778	..	..	* 133	645	..	No. 55, dated 1st February 1900.
	Nilayapalem	1,510	..	* 851	..	2,361	..	No. 57, dated 30th January 1900.
	Ganjám No. 234	4,120	..	* 462	..	4,582	..	No. 90, dated 2nd March 1900.
	Kakirala extension 4 ..	3,000	..	..	† 1,029	1,971	..	No. 92, dated 2nd March 1900.
	Mandadi	4,080	..	* 2,156	..	6,236	..	No. 105, dated 6th March 1900.
	Venkatayapalem extension 9.	400	..	* 47	..	447	..	No. 107, dated 6th March 1900.
	Guttikonda extension 10 ..	1,626	..	* 889	..	2,515	..	No. 158, dated 26th March 1900.
	Kandlagunta extension 2 ..	2,000	..	..	† 600	1,400	..	No. 174, dated 2nd April 1900.
	Pidugurala	1,875	..	..	† 775	1,100	..	No. 180, dated 21st April 1900.
	Konank extension 2 ..	800	..	* 140	..	940	..	No. 188, dated 23rd April 1900.
	Guttikonda extension 8 ..	1,500	..	..	† 290	1,210	..	No. 191, dated 23rd April 1900.
	Venkatayapalem extension 7.	1,200	..	..	† 507	693	..	No. 192, dated 23rd April 1900.
	Kottapalem extension ..	3,073	..	..	* 911	2,162	..	No. 261, dated 25th May 1900.
	Kottur extension 2	600	..	..	..	600	..	No. 285, dated 13th June 1900.

* Rectification. † Unreserved by Collector.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved lands (not transferred to reserved forests during the year)—cont.							
Kistna—*cont.*	Venkatayapalem extension II	1,300	..	..	† 974	326	..	No. 291, dated 13th June 1900.
	Gollapudi	296	..	..	‡ 296	..	..	No. 497, dated 10th November 1899.
	Kopparam block I	1,455	..	..	‡ 1,455	..	..	No. 102, dated 7th March 1900.
	Matsavaram	1,070	..	..	‡ 1,070	..	..	No. 270, dated 28th May 1900.
	Area notified in previous years.	184,306	..	* 10	* 240 † 2,745 § 5,279	176,052	..	....
	Total ..	218,321	..	5,706	16,304	207,723	325	
	Reserved forests.							
Kurnool ..	Loddipalli	..	..	1,176	..	1,176	..	No. 339, dated 24th July 1899.
	Alamur palmyra tope ..	..	..	96	..	96	..	No. 415, dated 21st September 1899.
	Guvvalagunta blocks A, B and C.	..	..	11,825	..	11,825	..	No. 438, dated 27th September 1899.
	Eastern Nallamalai block II.	..	..	20,175	..	20,175	..	No. 16, dated 23rd December 1899.
	Do. do. I.	..	..	12,620	..	12,620	..	No. 42, dated 12th January 1900.
	Mukkella date tope	..	..	136	..	136	..	No. 140, dated 23rd March 1900.
	Area notified in previous years.	1,282,374	2,004	..	..	1,282,374	..	....
	Total ..	1,282,374	2,004	46,028	..	1,328,402	2,075	
	Reserved lands (not transferred to reserved forests during the year).							
	Markapur addition I ..	12	..	..	‡ 12	..	..	No. 247, dated 22nd May 1900.
	Area notified in previous years.	527,242	..	..	* 11 † 4,339 § 7,436	515,456	..	....
	Total ..	527,254	..	..	11,798	515,456	806	
	Reserved forests.							
Bellary ..	Basarakodu extension ..	..	..	787	..	787	..	No. 227, dated 19th May 1899.
	Kadaluru	..	..	1,153	..	1,153	..	No. 302, dated 29th June 1899.
	Kalluru east	..	..	471	..	471	..	No. 314, dated 3rd July 1899.
	Bachigondanahalli	..	..	1,735	..	1,735	..	No. 316, dated 3rd July 1899.
	Kosigi north	..	..	692	..	692	..	No. 327, dated 20th July 1899.
	Chintalapalli north	..	..	964	..	964	..	No. 354, dated 4th August 1899.
	Marutla	..	..	3,222	..	3,222	..	No. 389, dated 24th August 1899.
	Jittinakatti north-east extension.	..	..	740	..	740	..	No. 520, dated 27th November 1899.
	Tornagallu extension ..	..	..	154	..	154	..	No. 533, dated 27th November 1899.
	Marutla north-east extension	..	..	896	..	896	..	No. 546, dated 6th December 1899.
	Ubbalagandi north extension	..	..	782	..	782	..	No. 550, dated 6th December 1899.
	Somalapuram south-east extension.	..	..	276	..	276	..	No. 565, dated 11th December 1899.
	Appayinahalli	..	..	2,378	..	2,378	..	No. 568, dated 12th December 1899.
	Gundabommanahalli ..	..	..	1,294	..	1,294	..	No. 575, dated 18th December 1899.
	Hulikunta	..	..	3,686	..	3,686	..	No. 54, dated 1st February 1900.
	Jettinakatti south-east extension.	..	..	1,294	..	1,294	..	No. 59, dated 30th January 1900.
	Shidagallu A block	..	..	3,198	..	3,198	..	No. 123, dated 15th March 1900.
	Area notified in previous years.	304,420	476	* 7,256	* 555	311,121	..	....
	Total ..	304,420	476	30,978	555	334,843	523	

* Rectification. † Unreserved by Collector. ‡ Initial notification cancelled. § At settlement.

District.	Name of forest.	Area on 1st July 1899.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1900.		Number and date of notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
	Reserved lands (not transferred to reserved forests during the year).							
Bellary—*cont.*	Metriki extension	5,121	..	..	..	5,121	..	No. 381, dated 12th August 1899.
	Gundu do.	..	..	2,416	..	2,416	..	No. 106, dated 5th March 1900.
	Area notified in previous years.	57,337	..	* 60	† 4,883 ‡ 919	51,595	..	
	Total ..	62,458	..	2,476	5,802	59,132	92	
	Reserved forests.							
Anantapur ..	Kalagira	..	..	4,107	..	4,107	..	
	Area notified in previous years.	320,148	500	..	..	320,148	..	
	Total ..	320,148	500	4,107	..	324,255	507	
	Reserved lands (not transferred to reserved forests during the year).							
	Kaki	..	..	450	..	450	..	No. 33, dated 16th January 1900.
	Ravudi	..	..	350	..	350	..	
	Kodihalli 1	..	..	430	..	430	..	
	Do. 2	..	..	680	..	680	..	
	Do. 3	..	..	101	..	101	..	
	Area notified in previous years.	753	..	..	* 753	..	..	
	Total ..	753	..	2,011	753	2,011	3	
	Reserved forests.							
Cuddapah ..	Kanamalapalli extension ..	..	..	3,695	..	3,695	..	No. 242, dated 2nd June 1899.
	Vontimitta do. ..	..	..	2,529	..	2,529	..	No. 254, dated 6th June 1899.
	Cheyyavaram do. ..	..	..	5,081	..	5,081	..	No. 286, dated 19th June 1899.
	Kokiletikanama do. A ..	..	..	5,114	..	5,114	..	No. 300, dated 28th June 1899.
	Kosinepalli do. ..	..	..	1,092	..	1,092	..	No. 303, dated 28th June 1899.
	Sibiyala extension north ..	..	..	715	..	715	..	No. 313, dated 3rd July 1899.
	Pandikunta	..	..	2,456	..	2,456	..	No. 357, dated 1st August 1899.
	Chitvel extensions A and B.	..	..	11,351	..	11,351	..	No. 390, dated 31st August 1899.
	Buduguntapalli extension ..	..	..	3,136	..	3,136	..	No. 492, dated 11th November 1899.
	Madhaveram extensions, east and west.	..	..	4,425	..	4,425	..	No. 493, dated 11th November 1899.
	Lankamalai extension ..	..	..	43,576	..	43,576	..	No. 527, dated 20th November 1899.
	Konarazupalli extension ..	..	..	18,743	..	18,743	..	No. 571, dated 11th December 1899.
	Salivendla extension ..	..	..	4,799	..	4,799	..	No. 85, dated 21st February 1900.
	Gundlakonda	..	..	4,438	..	4,438	..	No. 146, dated 23rd March 1900.
	Area notified in previous years.	1,187,207	1,855	..	§ 320	1,186,887	..	§ No. 167, dated 2nd April 1900.
	Total ..	1,187,207	1,855	111,150	320	1,298,037	2,028	
	Reserved lands (not transferred to reserved forests during the year).							
	Cheyer extension	..	..	7,680	..	7,680	..	
	Kokeletikanama extension B.	..	..	7,336	..	7,336	..	
	Area notified in previous years.	271,615	..	* 19	* 16,026	255,608	..	
	Total ..	271,615	..	15,035	16,026	270,624	423	

* Rectification. † Unreserved by Collector. ‡ At settlement. § Khandam No. 1 of Nigadi reserve disafforested.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Nellore	Nandipadu	..	..	2,215	..	2,215	..	No. 419, dated 21st September 1899.
	Tammanapatam Casuarina plantation extensions A and B.	..	..	515	..	515	..	No. 453, dated 7th October 1899.
	Udayagiri-Yerrakonda extension.	..	..	600	..	600	..	No. 518, dated 27th November 1899.
	Balayapalli	..	..	500	..	500	..	No. 576, dated 18th December 1899.
	Nandanavanam block B extension B.	..	..	550	..	550	..	No. 67, dated 6th February 1900.
	Nandanavanam A block extension.	..	..	660	..	660	..	No. 68, dated 9th February 1900.
	Dasaripalli	..	..	760	..	760	..	No. 84, dated 14th February 1900.
	Peddacherlopalli	..	..	1,700	..	1,700	..	No. 108, dated 7th March 1900.
	Hajipuram	..	..	1,925	..	1,925	..	No. 172, dated 7th April 1900.
	Area notified in previous years.	417,260	652	..	..	417,260	..	
	Total ..	417,260	652	9,425	..	426,685	667	
	Reserved lands (not transferred to reserved forests during the year).							
	Chinna Annalur extension ..	..	..	2,500	..	2,500	..	No. 328, dated 19th July 1899.
	Bhairavaram	..	..	1,800	..	1,800	..	No. 336, dated 24th July 1899.
	Kaluvayi	..	..	2,450	..	2,450	..	No. 343, dated 26th July 1899.
	Pedda Irlapad	..	..	7,000	..	7,000	..	No. 391, dated 31st August 1899.
	Marlapudi extensions A and B.	..	..	630	..	630	..	No. 436, dated 27th September 1899.
	South Mopur extension ..	..	..	594	..	594	..	No. 443, dated 27th September 1899.
	Vavveru extension	..	..	1,000	..	1,000	..	No. 523, dated 20th November 1899.
	Badvel	..	..	1,200	..	1,200	..	No. 528, dated 24th November 1899.
	Potegunta extension ..	..	..	450	..	450	..	No. 540, dated 1st December 1899.
	Turpukhambampad extension A.	..	..	1,300	..	1,300	..	No. 544, dated 4th December 1899.
	Nernur block A extension B.	..	..	900	..	900	..	No. 545, dated 4th December 1899.
	Nandanavanam block B extension A.	..	..	1,120	..	1,120	..	No. 151, dated 26th March 1900.
	Udayagiri-Veligonda block A extension.	..	..	1,400	..	1,400	..	No. 156, dated 26th March 1900.
	Penubarti	..	..	1,650	..	1,650	..	No. 171, dated 5th April 1900.
	Dachur	..	..	1,850	..	1,850	..	No. 179, dated 20th April 1900.
	Biradavolu	..	..	400	..	400	..	No. 181, dated 21st April 1900.
	Vadlapudi	..	..	200	..	200	..	No. 183, dated 21st April 1900.
	Yetur	..	..	2,290	..	2,290	..	No. 195, dated 23rd April 1900.
	Marupur extension	..	..	500	..	500	..	No. 196, dated 23rd April 1900.
	Chittalur	..	..	675	..	675	..	No. 227, dated 4th May 1900.
	Udayagiri-Veligonda block B extension.	..	..	1,250	..	1,250	..	No. 284, dated 13th June 1900.
	Area notified in previous years.	26,276	..	..	* 890	25,386	..	....
	Total ..	26,276	..	31,159	890	56,545	88	
	Reserved forests.							
Chingleput	Madayattur extension II ..	..	..	90	..	90	..	No. 257, dated 6th June 1899.
	Sirukunram do. A I ..	..	..	180	..	180	..	No. 539, dated 1st December 1899.
	Area notified in previous years.	134,247	..	..	..	134,247	..	....
	Total ..	134,247	210	270	..	134,517	210	

* At settlement.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved lands (not transferred to reserved forests during the year).							
Chingleput—*cont.*	Area notified in previous years.	2,759	..	..	* 283	2,476	2,476	....
	Total ..	2,759	..	..	283	2,476	4	
	Reserved forests.							
North Arcot.	Musalimadugu extension ..	..	..	1,829	..	1,829	..	No. 337, dated 24th July 1899.
	Kallapadi	..	..	6,945	..	6,945	..	No. 522, dated 20th November 1899.
	Elattur tope	..	..	11	..	11	..	No. 143, dated 23rd March 1900.
	Pichanur tope	..	..	30	..	30	..	No. 139, dated 23rd March 1900.
	Tellur tope	..	..	105	..	105	..	No. 141, dated 23rd March 1900.
	Agaramcheri tope	..	..	104	..	104	..	No. 141, dated 23rd March 1900.
	Reddigunta topes A and B ..	..	..	23	..	23	..	
	Balambattu tope	..	..	18	..	18	..	
	Chandragiri tope	..	..	8	..	8	..	
	Agarala do.	..	..	13	..	13	..	
	Mudivarepalle tope ..	..	..	15	..	15	..	
	Eucalyptus do. ..	..	..	8	..	8	..	
	Venkatagirikota tope ..	..	..	2	..	2	..	
	Senuru do. ..	..	..	11	..	11	..	
	Morsapalli do. ..	..	..	15	..	15	..	
	Vellum tope	..	..	4	..	4	..	
	Alapuram do.	..	..	9	..	9	..	
	Nelvoi do.	..	..	122	..	122	..	
	Periyankuppam tope ..	..	..	44	..	44	..	
	Ammundi do. ..	..	..	8	..	8	..	
	Tulavapushpagiri do. ..	..	..	5	..	5	..	
	Kunnattur do. ..	..	..	19	..	19	..	
	Vemmani do. ..	..	..	7	..	7	..	
	Periyagaram do. ..	..	..	2	..	2	..	No. 210, dated 27th April 1900.
	Karapattu do. ..	..	..	10	..	10	..	
	Tamarapakam do. ..	..	..	5	..	5	..	
	Velapakam do. ..	..	..	4	..	4	..	
	Randam do. ..	..	..	13	..	13	..	
	Moranam do. ..	..	..	19	..	19	..	
	Sirungattur do. ..	..	..	20	..	20	..	
	Anantalai do. ..	..	..	25	..	25	..	
	Vaniyan chutram	..	..	3	..	3	..	
	Nedungunam tope	..	..	2	..	2	..	
	Kolipuliyur do. ..	..	..	19	..	19	..	
	Kodiyalam	..	..	10	..	10	..	
	Tennankur	..	..	16	..	16	..	
	Tandalam tope	..	..	16	..	16	..	
	Eruma vettu	..	..	18	..	18	..	
	Echoor tope	..	..	16	..	16	..	
	(Mel) Nemili tope	..	..	4	..	4	..	
	Wandiwash	..	..	13	..	13	..	
	Area notified in previous years.	748,406	1,169	† 1,164	† 2,159 ‡ 2	747,409	..	‡ No. 93, dated 2nd March 1900.
	Total ..	748,406	1,169	10,734	2,161	756,979	1,183	
	Reserved lands (not transferred to reserved forests during the year).							
	Vallam §	10	..	..	10	..	..	No. 197, dated 23rd April 1900.
	Area notified in previous years.	33,239	..	† 1	* 365	32,875	..	....
	Total ..	33,249	..	1	375	32,875	51	
	Reserved forests.							
South Arcot.	Area notified in previous years.	438,458	685	..	..	438,458	..	....
	Total ..	438,458	685	..	..	438,458	685	
	Reserved lands (not transferred to reserved forests during the year).							
	Area notified in previous years.	15,510	24	..	..	15,510	24	....
	Total ..	15,510	24	..	..	15,510	24	

* At settlement. † Rectification. ‡ A portion of Kodiyalam reserved forest disafforested.
§ Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Salem ..	Ponnagarappatti	..	..	3,769	..	3,769	..	No. 222, dated 26th May 1899.
	Morappur	..	..	5,982	..	5,982	..	No. 382, dated 22nd August 1899.
	Mavar	..	..	1,980	..	1,980	..	No. 34, dated 15th January 1900.
	Vathampatti	..	..	1,563	..	1,563	..	No. 83, dated 23rd February 1900.
	Area notified in previous years.	791,420	1,237	..	* 336	791,084	..	No. 369, dated 12th August 1898. No. 15, dated 23rd December 1899.
	Total ..	791,420	1,237	13,294	336	804,378	1,257	
	Reserved lands (not transferred to reserved forests during the year).							
	Thirumanur	..	..	† 5,982	..	5,982	..	No. 326, dated 19th July 1899.
	Kourumalai	8,512	..	..	‡ 2,352	6,160	..	No. 353, dated 4th August 1899.
	Karungal	4,320	..	† 869	..	5,189	..	No. 359, dated 5th August 1899.
	Pani	16,761	..	† 1,000	..	17,761	..	No. 465, dated 9th October 1899.
	Bommaiyampatti	..	..	† 2,252	..	2,252	..	No. 500, dated 11th November 1899.
	Mangalam south extension block I. Mangalam south extension block II.	..	..	† 2,960	..	2,960	..	No. 551, dated 4th December 1899.
	Naralapalli	..	..	3,760	..	3,760	..	No. 258, dated 25th May 1900.
	Veppampatti extension ..	..	..	4,602	..	4,602	..	No. 103, dated 6th May 1900.
	Area notified in previous years.	76,442	..	..	..	76,442	..	....
	Total ..	106,035	..	21,425	2,352	125,108	196	
	Reserved forests.							
Trichinopoly.	Puliyur extension 2 ..	..	..	544	..	544	..	No. 384, dated 22nd August 1899.
	Naranamangalam	..	..	1,264	..	1,264	..	No. 405, dated 11th September 1899.
	Vilangudi extension 1 ..	..	..	189	..	189	..	No. 482, dated 4th November 1899.
	Sundareswarapuram extension.	..	..	74	..	74	..	No. 484, dated 4th November 1899.
	Vempavur	..	..	1,782	..	1,782	..	No. 524, dated 20th November 1899.
	Sittalai	..	..	1,226	..	1,226	..	No. 525, dated 20th November 1899.
	Peraiyur	..	..	1,382	..	1,382	..	No. 529, dated 20th November 1899.
	Sirukodal	..	..	765	..	765	..	No. 552, dated 8th December 1899.
	Puliyur extension 1 ..	..	..	1,644	..	1,644	..	No. 553, dated 8th December 1899.
	Mangalam	..	..	885	..	885	..	No. 569, dated 12th December 1899.
	Ayinarpalaiyam	..	..	1,607	..	1,607	..	No. 578, dated 18th December 1898.
	Alavoy extension	..	..	614	..	614	..	No. 39, dated 22nd January 1900.
	Pilakurichi	..	..	404	..	404	..	No. 56, dated 1st February 1900.
	Siluvacheri	..	..	1,054	..	1,054	..	No. 69, dated 10th February 1900.
	Kurumbalur	..	..	1,963	..	1,963	..	No. 118, dated 12th March 1900.
	Area notified in previous years.	138,087	216	..	..	138,087	..	....
	Total ..	138,087	216	15,397	..	153,484	240	

* Portion of Kapputhu reserve (110 acres) and portion of the Inner Javadis (226 acres) disafforested.
† Newly constituted reserved lands. ‡ Unreserved by Collector.

District.	Name of forest or land.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer
	Reserved lands (not transferred to reserved forests during the year).							
Trichinopoly—*cont.*	Valaiyur	725	..	..	† 725	..	..	No. 496, dated 10th November 1899.
	Vannarampundi	680	..	..	† 680	..	..	No. 201, dated 21st April 1900.
	Vilangudi Extension No. II.	185	..	..	† 185	..	..	No. 200, dated 21st April 1900.
	Periyavalayam South Extension No. II.	100	..	..	† 100	..	..	....
	Area notified in previous years.	51,206	..	* 229	‡ 1,416	50,019	..	....
	Total ..	52,896	..	* 229	3,106	50,019	78	
	Reserved forests.							
Tanjore ..	Area notified in previous years.	11,519	18	..	..	11,519	18	....
	Reserved lands—Nil.							
	Reserved forest.							
South Canara.	Madibare	..	..	19,244	..	19,244	..	No. 163, dated 2nd April 1899.
	Surti Hola	..	..	360	..	360	..	No. 178, dated 18th April 1899.
	Jarkal Ane	..	..	387	..	387	..	No. 178, dated 18th April 1899.
	Mensinagudde	..	..	386	..	386	..	No. 230, dated 19th May 1899.
	Chingramale Extension ..	..	..	674	..	674	..	No. 221, dated 26th May 1899.
	Menasinakan	..	..	1,008	..	1,008	..	No. 228, dated 19th May 1899.
	Jettukattumale	..	..	1,386	..	1,386	..	No. 270, dated 13th June 1899.
	Hannar Magane	..	..	1,598	..	1,598	..	No. 340, dated 24th July 1899.
	Hurabe	..	..	545	..	545	..	No. 352, dated 4th August 1899.
	Megani valley	..	..	16,855	..	16,855	..	No. 370, dated 12th August 1899.
	Tombattu	..	..	12,866	..	12,866	..	No. 393, dated 29th August 1899.
	Mavinakodlu	..	..	1,627	..	1,627	..	No. 440, dated 29th September 1899.
	Halakki hola	..	..	872	..	872	..	No. 470, dated 20th October 1899.
	Nananjimale	..	..	1,459	..	1,459	..	No. 495, dated 11th November 1899.
	Doddinamane	..	..	3,469	..	3,469	..	No. 543, dated 6th December 1899.
	Mulliar	..	..	2,116	..	2,116	..	No. 548, dated 6th December 1899.
	Nerankimale	..	..	3,960	..	3,960	..	No. 577, dated 18th December 1899.
	Kadiamale	..	..	1,169	..	1,169	..	No. 11, dated 23rd December 1899.
	Kadimbilla	..	..	1,848	..	1,848	..	No. 50, dated 3rd February 1900.
	Naravi	..	..	28,625 8,777 27,059	..	28,625 8,777 27,059	..	No. 73, dated 6th February 1900.
	Kadike	39	..	..	§ 39	..	..	No. 329, dated 20th July 1899.
	Karingadde	26	..	..	§ 26	..	..	
	Area notified in previous years.	181,899	..	..	..	1,81,899	..	....
	Total ..	181,964	284	136,290	65	318,189	497	....
	Reserved lands (not transferred to reserved forests during the year).							
	Nire	666	..	..	..	666	..	....
	Kanakamajulu	2,252	..	..	..	2,252	..	....
	Area notified in previous years.	3,79,698	..	..	‡ 247 ‖ 800	3,78,651	..	..
	Total ..	3,82,616	..	..	1,047	3,81,569	..	
	Reserved forests.							
North Malabar.	Tirunalli	§ 2	..	..	§ 2	..	..	No. 290, dated 31st May 1900.
	Area notified in previous years.	101,841	159	..	..	101,841	..	
	Total ..	101,843	159	..	2	101,841	159	....

* Rectification. † Initial notification cancelled. ‡ At settlement.
§ Disafforested. ‖ Unreserved by Collector.

District.	Name of forest or land.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved lands (not transferred to reserved forests during the year).							
North Malabar—*cont.*	Area notified in previous years.	72,256	113	..	..	72,256	113	....
	Reserved forests.							
South Malabar.	Area notified in previous years.	121,416	190	..	..	121,416	190	....
	Reserved lands (not transferred to reserved forests during the year).							
	Area notified in previous years.	* 88,731	138	19	..	88,750	138	....
	Reserved forests.							
The Nilgiris.	Wenlock Downs	..	..	19,814	..	19,814	..	No. 144, dated 26th March 1900.
	Kalhatti road No. 1 ..	..	..	7	..	7	..	No. 182, dated 20th April 1900.
	Do. „ „ 2 ..	..	..	4	..	4	..	Do.
	Kodappamund	..	..	75	..	75	..	Do.
	Salada	..	..	9	..	9	..	No. 211, dated 27th April 1900.
	Bikkimalai	..	..	4	..	4	..	
	Arigodalu	..	..	1	..	1	..	
	Selakallu	..	..	4	..	4	..	
	Addition to Black bridge ..	..	..	3	..	3	..	
	Uradihali	..	..	36	..	36	..	
	Naduvattam	2	..	..	† 2	..	..	No. 404, dated 11th September 1899.
	Town shola	1	..	..	† 1	..	..	No. 471, dated 20th October 1899.
	Tiger hill	2	..	..	† 2	..	..	No. 463, dated 12th October 1899.
	Area notified in previous years.	229,370	..	..	..	229,370	..	....
	Total ..	229,375	358	19,957	5	249,327	389	
	Reserved lands (not transferred to reserved forests during the year).							
	Nirmugiahalla and 16 other blocks.	..	..	385	..	385	..	No. 351, dated 31st July 1899.
	Yettiremara and 52 other blocks.	..	..	964	..	964	..	No. 505, dated 14th November 1899.
	Extension to cairn hill addition.	..	..	1	..	1	..	No. 506, dated 20th November 1899.
	Area notified in previous years.	65,169	..	‡ 10	§ 2,595	62,584	..	....
	Total ..	65,169	..	1,360	2,595	63,934	100	
	Reserved forests.							
North Coimbatore.	Cowdalli	..	..	31,040	..	31,040	..	No. 24, dated 16th January 1900.
	Nilgiri Eastern slopes ..	2,560	..	..	† 2,560	..	..	No. 273, dated 12th June 1900.
	Area notified in previous years.	676,338	..	..	..	676,338	..	....
	Total ..	678,898	1,061	31,040	2,560	707,378	1,106	
	Reserved lands (not transferred to reserved forests during the year).							
	Tamarakarai	..	..	7,360	..	7,360	..	No. 549, dated 6th December 1899.
	Dodda Induvadi	..	..	33	..	33	..	No. 25, dated 1st January 1900.
	Akkur jorai	..	..	948	..	948	..	Do.
	Siraganhalli sandalwood plantation.	..	..	33	..	33	..	No. 189, dated 1st May 1900.
	Area notified in previous years.	325,617	..	‡ 15,040	‡ 7,360 § 255	333,042	..	....
	Total ..	325,617	..	23,414	7,615	341,416	533	

* Though the initial notification in respect of the Nilambur blocks has been cancelled, their area is retained as the blocks are leased forests.

† Disafforested. ‡ Rectification. § At settlement.

District.	Name of forest or land.	Area on 1st July 1899. Acres.	Area on 1st July 1899. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1900. Acres.	Area on 30th June 1900. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
South Coimbatore.	Nellimalai	.. ..	..	1,882	..	1,882	..	No. 32, dated 20th January 1900.
	Area notified in previous years.	418,389	654	..	..	418,389	..	....
	Total ..	418,389	654	1,882	..	420,271	657	
	Reserved lands (not transferred to reserved forests during the year).							
	Mary or Andiparai estate ..	..	..	303	..	303	1	No. 256, dated 19th May 1900.
	Reserved forests.							
Madura ..	Sirumalai north-west slope block A.	..	..	5,794	..	5,794	..	No. 31, dated 15th January 1900.
	Erakalmalai	..	..	3,648	..	3,648	..	No. 72, dated 10th February 1900.
	Andipatti southern block ..	..	..	6,393	..	6,393	..	No. 74, dated 10th February 1900.
	Area notified in previous years.	366,410	572	..	* 4	366,406	..	No. 168, dated 2nd April 1900.
	Total ..	366,410	572	15,835	4	382,241	597	
	Reserved lands (not transferred to reserved forests during the year).							
	Area notified in previous years.	7,911	..	† 1,154	‡ 100	8,965	14	....
	Reserved forests.							
Tinnevelly ..	Chintamani	..	..	321	..	321	..	No. 231, dated 19th May 1899.
	Khansapuram	..	..	536	..	536	..	No. 383, dated 22nd August 1899.
	Area notified in previous years.	266,759	417	..	..	266,759	..	....
	Total ..	266,759	417	857	..	267,616	418	
	Reserved lands (not transferred to reserved forests during the year).							
	Area notified in previous years.	6,633	..	..	..	6,633	11	

* Portion of Vennilai reserve disafforested. † Rectification. ‡ At settlement.

FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
Ganjám ..	428	No. 479, dated 24th July 1899.	Tiliki	18	..	..	..
		No. 479, dated 24th July 1899.	Rogada	23	..	..	..
		No. 628, dated 19th September 1899.	Ramagodo	13	..	..	..
		No. 241, dated 15th March 1900.	Rampalli, blocks A and B ..	4	..	..	..
		No. 242, dated 15th March 1900.	Kaliyamba extension	2	..	..	..
			Total ..	60	..	..	..
Vizagapatam.	142	No. 440, dated 11th July 1899.	Dharakonda	73	..	..	..
		No. 687, dated 7th October 1899.	Karaka extension No. 40 (I) ..	2	..	..	..
		No. 736, dated 1st November 1899.	Arlova extensions I A and B.	3	..	..	..
		No. 283, dated 23rd March 1900.	Kadagandi extension No. III.	1	..	..	..
			Total ..	79	..	..	..
Gódávari ..	894	No. 434, dated 4th July 1899.	Kopalli	23	..	..	..
		No. 600, dated 7th September 1899.	Jilugumilli	5	..	..	..
		No. 611, dated 11th September 1899.	Doramamidi extension ..	* ..	..	..	..
		No. 686, dated 7th October 1899.	Singampalli	5	..	..	..
		No. 848, dated 15th December 1899.	Dharbagudem	4	39	..	..
		No. 48, dated 24th January 1900.	Rajavommangi	13	..	..	..
			Total ..	50	39	..	10 0 0
Kistna ..	751	No. 483, dated 24th July 1899.	Gandrayi	} 5			
		No. 523, dated 4th August 1899.	Budavada extension No. 3 ..				
		No. 604, dated 7th September 1899.	Madinapad do. „ 2 ..				
		No. 666, dated 29th September 1899 {	Budavada do. „ 1 ..				
			Budavada do. „ 2 ..				
		No. 667, dated 29th September 1899.	Pasavemula do. „ 5 ..				
		No. 502, dated 31st July 1899.	Madugula	3			
		No. 665, dated 29th September 1899.	Madinapad extension No. 1 ..	1			

* Below one square mile.

No. 45.

Department.

incurred on, Forest Settlements during 1899–1900.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Kriyamba	36	Dhumi Dhumi	5	2,519	..	
Bainamari	6	....	..	..	..	
Chatrapur	1	....	..	..	..	30
Podhara	1	....	..	..	..	
Rankuhanumanthapuram ..	2	....	..	..	..	
		....	..	..		
Total ..	46		5	2,519	..	
Kadagandi	16	....	..	..	..	
Bharnakonda inclusive of Molalanka and Gadilavalasa.	20	....	..	..	..	89
Sitakhandi	8	....	..	..	..	
Total ..	44		..	..	..	
Ultimathule	4	Barrikonda extension	3	2,519	..	46
		Ramasingavaram extension ..				
Total ..	4		3	2,519	..	
Muppala	8	Kakirala extension No. 5 ..	6			
Darvemula extension No. 1 ..		Guttikonda do. ,, 4 ..	2			
Ipurupalem		Manchikallu				
Chirala	9	Nilayapalem	4			
Gokanakonda extension No. 1.	2	Ganjám extension No. 234 ..	7			
Daida	10	Kakirala do. ,, 4 ..	3			
Kakirala extension No. 3 ..		Mandadi	9			
Nagarazupalle extension No. 1.	2	Venkatayapalem extension No. 9.	1			
Balusupad	..					
Jaggiapet extension No. 5 ..		Guttikonda extension No. 10.	4	2,898	..	188
Do. do. ,, 6 ..		Kandlagunta do. ,, 2.	2			
Do. do. ,, 7 ..	7	Pidugurala	2			
Kandipad extension ,, 1 ..		Konank extension No. 2 ..	3			
Mukteswaram	2	Guttikonda do. ,, 8 ..				

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
Kistna—*cont.*	751	No. 721, dated 23rd October 1899.	Vinukonda	12			
		No. 173, dated 14th November 1899.	Nayanipalli	1			
		No. 796, dated 20th November 1899.	Nizampatam	9			
		No. 809, dated 27th November 1899.	Goli	8			
		No. 854, dated 18th December 1899.	Vedullapalli extension No. 2.	1	3,036	..	..
		No. 44, dated 23rd January 1900.	Vemavaram	3			
		No. 38, dated 22nd January 1900.	Sitarampuram	3			
		No. 36, dated 22nd January 1900.	Uppumagulur				
		No. 108, dated 9th February 1900.	Kakirala extension No. 2 ..	2			
		No. 181, dated 2nd March 1900.	Malleswaram				
		No. 359, dated 20th April 1900.	Guttikonda extension No. 3 ..	4			
		No. 427, dated 5th May 1900.	Kottur extension				
		No. 376, dated 23rd April 1900.	* Tangedu extension No. 1 ..				
			* Do. do. „ 2 ..				
		No. 563, dated 12th June 1900.	* Bollapalli do. „ 1 ..	7			
		No. 592, dated 19th June 1900.	* Kakirala do. „ 7 ..				
			Total ..	59	3,036	..	..
Kurnool ..	2,004	No. 481, dated 24th July 1899.	Loddipalli	2	..		
		No. 635, dated 21st September 1899.	Alamur palmyra tope	† ..	..		
		No. 657, dated 27th September 1899.	Guvvalagunta blocks A, B and C.	18	..		
		No. 863, dated 23rd December 1899.	Eastern Nallamalai block No. 2.	51	..		
		No. 47, dated 24th January 1900.	Eastern Nallamalai block No. 1.				
		No. 275, dated 23rd March 1900.	Mukkella date tope	† ..	..		
			Total ..	71	233	450	..
Bellary ..	477	No. 415, dated 29th June 1899.	Kadaluru	2			
	(*a*)+ 10	No. 426, dated 3rd July 1899.	Bachigondanahalli	3			
	487	No. 470, dated 20th July 1900.	Kosigi north	1			
		No. 354, dated 4th August 1899.	Chintalapalli north				
		No. 566, dated 24th August 1899.	Marutla	8			
		No. 812, dated 27th November 1899.	Jettinakatti north-east extension.				
		No. 59, dated 30th January 1900.	Jettinakatti south-east extension.	2			
		No. 427, dated 3rd July 1899.	Kalluru east				
		No. 839, dated 11th December 1899.	Somalapuram south-east extension.	1			
		No. 844, dated 12th December 1899.	Appayyanahalli	3	..	..	..
		No. 811, dated 27th November 1899.	Tornagallu extension				
		No. 853, dated 18th December 1899.	Gundabommanahalli	2			

* Reservation takes effect from 1900–1901. † Below one square mile. (*a*) By rectification.

incurred on, Forest Settlements during 1899-1900—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS		SQ. MLS.	RS.	RS.	SQ. MLS.
Mutukur extension No. 5 .. } Kandlagunta do. ,, 1 .. }	30	Venkatayapelam extension No. 7.	1			
Gamalapad .. .. .. } Gangulakunta extension No. 1. } Rentachintala .. .. .. } Paluvayi.. .. .. .. } Pasvemula extension No. 9 .. }	11	Kottapalem extension No. 1.	3			
		Kottur do. ,, 2. } Venkatayapalem do. ,, 11. }	2			
Total ..	81		49	2,898	..	
Nandyal addition No. I ..	10		..	..	..	} 452
Do. do. ,, II ..	20		..	..	..	
Velgode	61		..	..	..	
Eastern Nallamalai block No. 3.	48		..	..	..	
Panem	46		..	..	..	
Gani	88		..	..	..	
Giddalur block No. I	11		..	..	..	
Do. do. ,, II	11		..	..	..	
Eastern Nallamalai block No. 4. } Do. do. ,, 5. }	59		.. ..	.. ..	.. ..	
Total ..	354		..	142	3,295	
Chintalapalli, south	2	Metriki	8	..	..	} 29
		Gundu extension	4	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	Expenditure incurred during the year on areas finally settled. In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
Bellary—*cont.*	.	No. 78, dated 1st February 1900.	Hulikunta	6			
		No. 825, dated 6th December 1899.	Marutla north-east extension.	3			
		No. 824, dated 6th December 1899.	Ubbalagandi north extension.				
		No. 243, dated 15th March 1900.	Shidagallu A	5			
		No. 469, dated 15th May 1900.	* Do. B	9			
		No. 492, dated 19th May 1900.	* Do. C				
			Total ..	45	..	..	..
Anantapur ..	507	....	....	..	..	..	..
							Central
Cuddapah ..	1,873	No. 403, dated 28th June 1899.	Kokaletikanama extension A.	8	..	..	..
		No. 303, dated 29th June 1899.	Kosinepalle extension ..	2	..	..	..
		No. 428, dated 3rd July 1899.	Sibiyala extension north ..	1	..	..	..
		No. 506, dated 1st August 1899.	Pandikunta	4	..	..	..
		No. 585, dated 31st August 1899.	Chitvel extension	17	..	..	..
		No. 771, dated 11th November 1899.	Madhavaram extension ..	7	..	..	..
		No. 795, dated 20th November 1899.	Lankamalai extension ..	68	..	..	..
		No. 772, dated 11th December 1899.	Buduguntapalli extension ..	5	..	..	..
		No. 837, dated 11th December 1899.	Konarazupalli extension ..	29	..	..	..
		No. 146, dated 21st February 1900.	Salivendla extension ..	7	..	..	..
		No. 276, dated 23rd March 1900.	Gundlakonda	7	..	..	..
		No. 542, dated 1st June 1900.	* Surabhu				
		No. 57, dated 13th June 1900	* Kokaletikanama extension B.	32	..	..	..
		No. 593, dated 19th June 1900.	* Kodur hill extension A ..				
			Total ..	187	..	..	..
Nellore ..	652	No. 634, dated 21st September 1899.	Nandipadu	3	..	..	..
		No. 685, dated 7th October 1899.	Tammanapatam casuarina plantation extensions A and B.	1	..	..	..
		No. 810, dated 27th November 1899.	Udayagiri-Yerrakonda extension.	1	..	..	..
		No. 850, dated 18th December 1899.	Balayapalli	1	..	..	..
		No. 101, dated 6th February 1900.	Nandanavanam block B extension B.	1	..	..	..

* Reservation takes effect from 1900–1901.

incurred on, Forest Settlements during 1899–1900—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Total ..	2		12	..	..	
....	..	Kodihalli No. I	3 (bracketed)	..	..	....
		Do. No. II				
		Do. No. III				
		Ravudi				
		Kaki				
	..	Total ..	3	..	847	
Circle.						
Idupalapaya extension ..	21	Cheyur extension	12	..	..	42 (bracketed)
Ganganapalli extension ..	60	....	..	..	..	
Sangasamudram	8	....	..	..	..	
Palakonda extension	49	....	..	..	..	
Kanchalamoram extension ..	25	....	..	..	..	
Papepalli extension east and west	17	....	..	..	..	
Seshachalam extension D ..	26	....	..	..	..	
Do. do. A ..	60	....	..	..	..	
Yellutla extension A ..	5	....	..	..	..	
Kondapuram tope	..	....	..	..	..	
Gorivikanama extension ..	2	....	..	..	..	
Gottimanikona Do. ..	9	....	..	..	..	
Gadikota extension	20	....	..	..	..	
Turpukonda extension ..	35	....	..	..	..	
Total ..	337	Total ..	12	..	..	
Pedda Alavalapadu	2	Pedda Irlapad	11			
Ayyavaripalli	3 (bracketed)	Nandanavanam block B extension A	7 (bracketed)			
Musunur		Chinna Annalur extension ..				
Mogilicherla west	3 (bracketed)	Vavveru extension				
Nandanavanam block extension C		Marlapudi A and B extensions.	1			
Totalacheruvupalli	2	South Mopur extension ..	1			
Guvvadi, east	5 (bracketed)	Badvel	2			
Do. west		Potegunta extension ..	7 (bracketed)			
Inimerla	9 (bracketed)	Turpukambampad extensions A and B				
Raviguntapalli		Nernur block A extensions B ..				
Mogilicherla, north	2	Penubarti				

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. — Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. — In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
Nellore—*cont*	652	No. 107, dated 9th February 1900.	Nandanavanam block A extension.	1	..	..	..
		No. 133, dated 14th February 1900.	Dasaripalli	1	..	..	..
		No. 203, dated 7th March 1900.	Peddacherlopalli	3	..	..	..
		No. 331, dated 7th April 1900.	Hajipuram	3	..	..	..
		No. 332, dated 7th April 1900.	* Kaluvaya	} 4	..	..	..
		No. 541, dated 1st June 1900.	* Dagudarti extension ..				
			Total ..	19	1,347	..	70 14 4
Chingleput.	211 (*a*)—1	No. 815, dated 1st December 1899.	Sirukunram A extension I ..	..	..	..	..
	210		Total ..	† ..	..	..	..
North Arcot.	1,169 (*b*)—1	No. 480, dated 24th July 1899.	Musalimadugu extension ..	3	..	..	..
		No. 790, dated 20th November 1899.	Kallapadi	11	..	..	..
	1,168	No. 210, dated 27th April 1900.	Reddigunta topes A & B ..	} 1	..	..	..
		Do.	Balampattu tope				
		Do.	Chandragiri				
		Do.	Agarala				
		Do.	Mudivaripalle				
		Do.	Eucalyptus				
		Do.	Venkatagirikota				
		No. 399, dated 27th April 1900.	Senuru				
		No. 285, dated 23rd March 1900.	Pichanur				
		No. 210, dated 27th April 1900.	Morsapalle				
		Do.	Vellam				
		No. 284, dated 23rd March 1900.	Tellur				
		No. 210, dated 27th April 1900.	Alapuram				
		No. 141, dated 23rd March 1900.	Agaramcheri				
		No. 210, dated 27th April 1900.	Nelvoi				
		Do.	Periyankuppam				
		Do.	Ammundi				
		Do.	Tulava Pushpagiri				
		No. 274, dated 23rd March 1900.	Ellatur				
		No. 210, dated 27th April 1900.	Kunnathur				
		Do.	Vemmani				
		Do.	Periyagaram				
		Do.	Karapattu				
		Do.	Tamarapakam				
		Do.	Velapakam				
		Do.	Randam				
		Do.	Moranam				
		Do.	Sirangattur				
		Do.	Anantalai				
		Do.	Vaniamchutram				
		Do.	Nedungunam				
		Do.	Kolipuliyur				

* Reservation takes effect from 1900–1901.

(*a*) For rounding off of fractions. † Less than one square mile. (*b*) By rectification.

incurred on, Forest Settlements during 1899–1900—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
		Dachur	3	473 (Dachur to Udayagiri-Veligonda block B extension)		13
		Biradavolu extension	4 (Biradavolu extension, Vadlapudi extension, Yetur)			
		Vadlapudi extension				
		Yetur				
		Marupur extension	1			
		Chittalur	1			
		Bhairavaram	3			
		Udayagiri-Veligonda block A extension	2			
		Udayagiri-Veligonda block B extension	2			
Total ..	26		45	473	..	
Nemali extension 2	4 (Nemali extension 2 to Nanmangalam extension 2)	....	..	..	350	
Kattur extension 2						
Maiyur block						
Marudam						
Nanmangalam extension 2 ..						
Total ..	4		..	..	350	
Peddur extension	15	....	..	560	..	4
Nellipatla	12					
Totakanama	8					
Pallelakuppam extension A ..	11					
Ponnai anicut tope	* ..					

* Less than one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
North Arcot—*cont.*		No. 210, dated 27th April 1900.	Kodiyalam				
		Do.	Tennankur				
		Do.	Tandalam				
		Do.	Erumavettu				
		Do.	Echoor				
		Do.	Mel Nemeli				
		Do.	Wandewash				
		No. 456, dated 11th May 1900.	* Thachambadi tope	4	..	..	..
		No. 534, dated 31st May 1900.	* Virlabanda				
				..	..	..	..
			Total ..	19	..	..	..
South Arcot.	685	....	....	..	..		
			Total ..	..	..	..	..
Salem ..	1,243 † —1	No. 561, dated 22nd August 1899.	Morappur	9			
	1,242	No. 23, dated 15th January 1900.	Mavar	6	..	..	..
		No. 561, dated 23rd February 1900.	Vathampatti				
		No. 594, dated 19th June 1900.	* Nagaluthu extension .. * Onnakkarai	9			
			Total ..	24	..	..	..
Trichinopoly.	216	No. 612, dated 11th September 1899.	Naranamangalam	2			
		No. 792, dated 20th November 1899.	Vempavur	3			
		No. 793, dated 20th November 1899.	Peraiyur	2			
		No. 805, dated 23rd November 1899.	Sittali	2			
		No. 831, dated 8th December 1899.	Puliyur extension No. II ..	1			
		No. 832, dated 8th December 1899.	Sirukodal	1			
		No. 843, dated 12th December 1899.	Mangalam	1			
		No. 546, dated 19th August 1899.	Puliyur extension No. I ..		..	..	..
		No. 852, dated 18th December 1899.	Ayinarpalaiyam	5			
		No. 224, dated 12th March 1900.	Kurumbalur				
		No. 747, dated 4th November 1899.	Vilangudi extension No. I ..	4			
		No. 738, dated 1st November 1899.	Sundareswarapuram extension.				
		No. 37, dated 22nd January 1900.	Alavoy extension	3			
		No. 77, dated 1st February 1900.	Pillakurichi				

* Reservation takes effect from 1900–1901.
(†) Disafforested.

incurred on, Forest Settlements during 1899–1900—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS. A. P.	SQ. MLS.
	46		..	560	..	
Pinjur	12		..	..	..	..
Damarakadu						
Odaiyanattam						
Sankarapuram tope (south) ..	12	....	..	..	..	..
Do. (north) ..						
Kattuvanjur tope						
Puttai tope						
Total ..	24		..	..	..	
Pattimedu extension	32	Tirumanur	9	..	..	
Shelur		Bommaiyampatti	3	..	..	
Kallavi		Mangalam south extension	5	..	..	
Parigam A	31	blocks I and II.				
Do. B		Kouramalai	10	..	..	161
Ubbarani	19	Karungal	8	..	..	
Velampatti	5	Veppampatti extension ..	7	..	..	
Kurichi	4	Pani	28	..	..	
		Naralappatti extension ..	6	..	..	
Total ..	91		76	..	4,660	
Thatchankurichi	4					
Kundur Kalvarayankolam ..						
Mogavanur	5					
Shemmalai extension No. I ..						
Aniyappur western extension ..	4					
Arasadi Arwithi						
Kunnam	7					
Pulambadi No. I						
Vengaram						
Omandur						
Edumalai	9					
Vellakalpatti						
Palivalam						
Mavilippatti	3					
Maniyankurichi	2					
Kottathur	4					
Velur	5					
Nakkasalam	6					
Mamalai extension						
Marmareddipalayam						
Valkaradu	8					
Kurichimalai						
Sittiramanai						
Nedungur		....				
T. Kanappadi extension ..	3					
Appananallur						
Viramachampatti						
Sattanur	14					

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Central
	SQ. MLS			RS.	RS.	RS.	
Trichinopoly—*cont.*	216	No. 117, dated 10th February 1900.	Siluvacheri	2	..	..	..
		No. 425, dated 5th May 1900.	* Tirukkonam extension ..				
		No. 424, dated 5th May 1900.	* Ulliyakkudi extension ..				
		No. 533, dated 31st May 1898.	* Karaippakkam extension ..				
		No. 545, dated 2nd June 1900.	* Peruvalappur	2			
		No. 426, dated 5th May 1900.	* Pagalavadi				
		No. 622, dated 23rd June 1900.	* T. Kanappadi enclosure ..				
			Total ..	28	..	..	..
Tanjore ..	18	....	....	..	..	..	..
							Southern
South Canara.	322 †—1 321	No. 482, dated 24th July 1899.	Haunar Magane	3	*Nil.*	Approximately Rs. 3,208.	
		No. 522, dated 4th August 1899.	Hurabe	1			
		No 539, dated 12th August 1899.	Megani valley	26			
		No. 570, dated 29th August 1899.	Tombattu	20			
		No. 664, dated 29th September 1899.	Mavina Kodlu	3			
		No. 705, dated 11th November 1899.	Nananjimale	2			
		No. 765, dated 11th November 1899.	Halakki Hola	1			
		No. 827, dated 6th December 1899.	Doddinamane	5			
		No. 822, dated 6th December 1899.	Mulliar	3			
		No. 851, dated 18th December 1899.	Nerankimale	6			
		No. 862, dated 23rd December 1899.	Kodiamale	2			
		No. 89, dated 3rd February 1900.	Kadimbilla	3			
		No. 99, dated 6th February 1900.	Naravi	101			
		No. 383, dated 23rd April 1900.	* Shiradi extension	1			
		No. 416, dated 4th May 1900.	* Someshwar	37			
			Total ..	214			
North Malabar.	159	....	....	..	..	..	..
	159		Total ..	..	..	3,208	..

* Reservation takes effect from 1900-1901.

† Excluded at Settlement.

incurred on, Forest Settlements during 1899–1900—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Sengattupatti extension ..						
Vairisettipalayam Talugai ..						
Total ..	74		..	..	2,419	
....	..	....	..	..	..	
Circle.						
Halesomeshwar	3	Nire	1			
New Someshwar	4	Kanakamajulu	4			
Karadka	5	....	..			
Virakhamba	3	....	..			
Kalanjimale	5	....	..			
Panamberi	1	....	..			
Porkal	7	....	..			
Shibaje	5	....	..			
Miyar	28	....	..			
Nidle	5	....	..			
Kidu	10	....	..			
Kombar	15	....	..			
Mujar	16	....	..			
Konaje	10	....	..			
Kuntur	6	....	..			
Padnur	5	....	..	*Nil.*	Approximately Rs 2,942.	390
Kilarmale	15	....	..			
Balimane	20	....	..			
Total ..	163		5	..	..	
Peria	21	....	..	*Nil.*	Approximately Rupees 3,075.	2
Peria extension	2	....	..			
Padri	48	....	..			
Kanoth	40	....	..			
Total ..	111		..	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Southern
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS.
South Malabar.	190	....	....	..		..	..
			Total ..				
The Nilgirs.	358	No. 295, dated 26th March 1900.	Wenlock Downs	31	..	193	..
		No. 358, dated 20th April 1900.	Kalhatti road No. I .. Do. ,, II .. Kodappamund				
		No. 400, dated 27th April 1900.	Salada .. .. .. Arigodalu .. .. .. Selakallu .. .. .. Bikkimalai .. .. . Addition to black bridge .. Uradihali				
		No. 361, dated 20th April 1900.	Ammankaval Reserve addition I. *	4	..	..	..
		No. 447, dated 10th May 1900.	Rockwood *				
		No. 480, dated 17th May 1900.	Avarahalla *				
		No. 479, dated 17th May 1900.	Curzon valley II *				
		No. 566, dated 13th June 1900.	Do. I * .. .. Vagapanai addition II * .. Tamugai * .. .. .. Ottapattadi *				

* Reservation takes effect from 1900-1901.

incurred on, Forest Settlements during 1899-1900—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
PALGHAT RANGE.						
Attapadi Valley.						
Block No. I	91	....	..	..	..	33
Do. ,, II						
Do. ,, III						
Do. ,, IV						
Total	91		..	..	..	
Thambarakadavu	6	Nirmugihalla	2		2,226	8
Ullanni		Gwatkin				
Rajbey		Airlie				
Gathada		Mullisappe				
Halakarai addition I		Banahada				
Do. do. II		Baraiyade				
Dolphin reserve addition		Masikalla				
Karimara		Burnside				
Blackheath		Warwick block No. I				
Doddahalla		Do. ,, II				
Devalahalla		Do. ,, III				
Madidevarmund		....				
Sundinulla No. II		Gudakalhulla addition No. I.				
Pagalamund		Do. do. ,, II.				
Attekallu		Do. do. ,, III.				
Vokkanshola		Udiyarai				
Doddabetta addition I		Masikadavu				
Cairn Hill addition		Rallia reserve addition No. II.				
Red Hill No. II		Yettiremara				
Mavada reserve addition		Billikottu				
Vagappanai addition I		Umarahutti				
Coonoorali No. I		Girigihada				
Do. No. II		Kottibettu				
Cherambadi reserve addition		Doddahada				
Ammankaval addition No. I		Birgundu				
		Attimara				
		Panadla				
		Okkamunda				
		Bettutti				
		Glencadinne				
		Attukorai				
		Kilingadi				
		Osatti addition No. III				
		Koliyada				
		Bear Hill No. II				
		Kottagai				
		Oland				
		Haliada Shola				
		Mayfield				
		Tigerlodge				
		Seleodai No. II				
		Addition to Pilloor Shola				
		Kudia Sholai No. I				
		Do. do. ,, II				
		Do. do. ,, III				
		Girigihada No. II				
		Bethal addition No. I				
		Ulibatti addition				
		Aduvamara				
		Attuboil addition No. I				
		Do. do. ,, II				
		Irupporai				

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
			Southern				
	SQ. MLS.			SQ. MLS.	RS.	RS.	RS. A. P.
			Total ..	35	..	..	..
North Coimbatore.	1,061 ‡ —4 1,057	No. 9, dated 8th January 1900.	Cowdalli	49	..	2,419	..
		No. 428, dated 5th May 1900.	* Sennimalai	2			
			Total ..	51	..	2,419	47 6 10
South Coimbatore.	654	No. 33, dated 20th January 1900.	Nellimalai	3	..	..	12 0 0
			Total ..	3	..	..	12 0 0
Madura ..	572	No. 100, dated 6th February 1900.	Andipatti south .. .	10	..	1,210	..
		No. 22, dated 15th February 1900.	Sirumalai north-west slopes ..	9	..		
		No. 118, dated 10th February 1900.	Erakalmalai	6	..		
		No. 307, dated 2nd April 1900.	* Umaiyar	1	..		
			Total ..	26	..	1,210	..
Tinnevelly ..	418	No. 423, dated 5th May 1900.	* Extension No. 3 to Kuttalam reserved forest No. III.	† ..	..	..	..
			Total ..	..	..	..	..

* Reservation takes effect from 1900-1901. † Less than one square mile. ‡ Disafforested.

incurred on, Forest Settlements during 1899-1900—*cont.*

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
		Kallukotta				
		Koderu reserve addition No. I				
		Paranjoti				
		Ydayetti addition				
		Atthigarathi Shola addition No. I.				
		Neyyatti addition No. I ..				
		Atthigarathi Shola addition No. II.				
		Nakula				
		Odayaratti				
		Koderu addition No. II ..				
		Do. do. „ III ..				
		Kiloor				
		Doddanni				
		Karavatti				
		Beechworth				
		Beggadu				
		Addition to Gundorai ..				
		Salapani				
		Kumari				
		Extension to cairn hill addition				
Total ..	6	Total ..	2	..	..	
Yedaralli	212	Dodda Induvadi				
Madheswaran Malai	246	Tamarakarai	13	..	..	59
Hanur	34	Akkurjorai				
		Siraganhalli Sandalwood plantation.				
Total ..	492		13	..	..	
....	..	Mary or Andiparai estate ..	1	..	..	
Total ..	..		1	..	..	
Kadavumalai	2	....	..	..	1,210	
Koviladi						
Thoppasamimalai	11	....	..	..		
Total ..	13		..	..	1,210	
Vaippar	11	....	..	15	2,419	1
Melavittan extension						
Extension to Kuttalam reserved forest block I.						
Extension to Kuttalam reserved forest block II.						
Extension to Krishnapuram reserved forest.						
Total ..	11		..	15	2,419	

Appendix A.

Forest Settlement.

Particulars of balance of Lands under Settlement.

District.	Total number and area of blocks brought under settlement up to end of 1899-1900. Number.	Area.	Total number and area of blocks constituted finally as reserved forests up to end of 1899-1900. Number.	Area.	Balance at end of 1899-1900. Number.	Area.
1	2	3	4	5	6	7
		SQ. MLS.		SQ. MLS.		SQ. MLS.
Northern Circle.						
Ganjám	47	545 (a) + 2 (d) — 8	41	488	6	51
Vizagapatam	51	265	46	221	5	44
Gódávari	83	958 (a) + 1 (d) — 8	80	944	3	7
Kistna	207 (b) — 3	953 (b) — 5 (d) — 8	162	803	42	137
Kurnool	62 (b) — 1	2,442 (d) — 12 (e) — 1	51	2,075	10	354
Bellary	137	538 (d) — 2 (a) + 10	132	513 (a) + 10	5	23
Anantapur	80	510 (d) — 1 (e) + 1	75	507	5	3
Total, Northern Circle ..	667 (b) — 4	6,211 (a) + 13 (b) — 5 (d) — 39	587	5,551 (a) + 10	76	619
Central Circle.						
Cuddapah	192	2,424 (a) — 15	173	2,028	19	381
Nellore	198	743 (d) — 1	163	667	35	75
Chingleput	199	215 (e) — 1	194	210	5	4
North Arcot	192 (b) — 1	1,235 (a) — 1 (d) — 1	184	1,184 (a) — 1	7	50
South Arcot	157	709	150	685	7	24
Salem	166	1,433 (c) — 1 (e) + 1	147	1,258 (c) — 1	19	176
Trichinopoly	134 (b) — 4	323 (b) — 3 (d) — 2	94	240	36	78
Tanjore	15	18	15	18	..	..
Total, Central Circle ..	1,253 (b) — 5	7,100 (a) — 16 (b) — 3 (c) — 1 (d) — 4	1,120	6,290 (a) — 1 (c) — 1	128	788
Southern Circle.						
South Canara	104	704 (d) — 1	80	497	24	206
North Malabar	22	270	18	159	4	111
South Malabar	27 (b) — 12*	299 (b) — 18	11	190	4	91
The Nilgiris	372	405 (d) — 4	268	389	104	12
North Coimbatore	45	1,594 (a) + 24 (c) — 4 (d) — 1	37	1,110 (c) — 4	8	507
South Coimbatore	19	658	18	657	1	1
Madura	148	609 (a) + 2	145	597	3	14
Tinnevelly	56	429	49	418	7	11
Total, Southern Circle ..	793 (b) — 12	4,968 (a) + 26 (b) — 18 (c) — 4 (d) — 6	626	4,017 (c) — 4	155	953
Grand Total ..	2,713 (b) — 21	18,279 (a) + 23 (b) — 26 (c) — 5 (d) — 49	2,333	15,858 (a) + 9 (c) — 5	359	2,360

* Retained as reserved land in Form No. 44 being leased forests.

(a) Rectification. (b) Initial notifications cancelled. (c) Disafforested.
(d) Excluded at settlement. (e) By rounding off fractions in previous year's figures.

Appendix A—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

District.	Classification of balance in columns 6 and 7.											
	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1899–1900, but reservation effected only after 30th June 1900.		With Board or Government awaiting publication of notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	..	..	1	1	1	1	2	2	4	49	..	..
Vizagapatam	..	..	1	7	3	21	4	28	1	16	..	..
Gódávari	..	..	2	5	..	..	2	5	1	2	..	..
Kistna	4	7	1	2	4	8	9	17	..	..	33	120
Kurnool	..	..	2	30	2	74	4	104	1	48	5	202
Bellary	2	9	..		..	..	2	9	..	..	3	14
Anantapur	..	..	..	..	..	..	..	..	..	..	5	3
Total, Northern Circle.	6	16	7	45	10	104	23	165	7	115	46	339
Central Circle.												
Cuddapah	3	32	3	87	2	60	8	179	3	83	8	119
Nellore	2	4	3	5	..	..	5	9	3	3	27	63
Chingleput	..	..	1	2	..	..	1	2	4	2	..	..
North Arcot	2	4	2	20	1	* ..	5	24	..	..	2	26
South Arcot	..	..	4	* ..	1	12	5	12	..	..	2	12
Salem	2	9	2	26	4	46	8	81	..	..	11	95
Trichinopoly	6	4	2	3	1	1	9	8	..	..	27	70
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle.	15	53	17	143	9	119	41	315	10	88	77	385
Southern Circle.												
South Canara ..	2	38	4	45	3	30	9	113	..	..	15	93
North Malabar ..	..	..	3	71	1	40	4	111	..	..	..	*
South Malabar ..	..	..	4	91	..	..	4	91	..	..	..	..
The Nilgiris ..	8	4	9	1	2	* ..	19	5	15	3	70	4
North Coimbatore ..	1	2	1	34	1	212	3	248	..	..	5	259
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	1	1
Madura	1	1	1	11	..	..	2	12	..	..	1	2
Tinnevelly	1	* ..	..	..	..	..	1	..	6	11	..	..
Total, Southern Circle.	13	45	22	253	7	282	42	580	21	14	92	359
Grand Total, Presidency.	34	114	46	441	26	505	106	1,060	38	217	215	1,083

* Below one square mile.

APPENDIX A—*cont.*

Forest Settlement—cont.

Particulars of balance of Lands under Settlement—*cont.*

District.	Of lands notified under section 4 in the year.																											
	1884-85.		1885-86.		1888-89.		1889-90.		1890-91.		1891-92.		1892-93.		1893-94.		1894-95.		1895-96.		1896-97.		1897-98.		1898-99.		1899-1900.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	1	36	1	6	..	..	..	..	..	..	1	2	2	2	..	..	..	..	..	..	..	..	..	..	..	..	1	* 5
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	2	37	..	..	..	..	2	§ ..	..	..	..	..	..	..	1	†7	..	‡..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	5	..	..	2	2
Kistna	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	3	10	17	59	4	15	17	49
Kurnool ..	..	..	..	..	..	..	..	..	..	..	2	30	..	..	..	..	1	60	..	..	..	..	5	205	2	59	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	2	9	2	12
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	3
Total ..	1	36	1	6	..	..	1	4	..	..	5	69	2	2	..	..	3	60	..	..	4	12	23	269	9	90	27	71
Central Circle.																												
Cuddapah ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	122	3	106	2	17	1	26	7	87	2	23
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12	26	23	49
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	4	3	..	..	..	..
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	11	1	15	3	24	..	..	2	‡..	..	..
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	1	12	..	..	..	..	1	9	5	3	..	..	..	..	..	..
Salem	..	..	..	..	..	..	1	3	..	..	..	..	..	..	1	6	..	..	2	47	..	..	2	9	4	35	9	76
Trichinopoly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	23	..	..	23	55	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	1	3	..	..	..	..	1	12	1	6	5	133	8	178	23	67	7	38	48	203	34	148
Southern Circle.																												
South Canara ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	1	3	3	60	4	13	3	13	9	110	2	5
North Malabar ..	2	69	1	40	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..
South Malabar ..	..	..	..	..	4	91	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	5	23	5	71	2
North Coimbatore	..	..	..	..	..	..	..	..	2	458	..	..	..	..	1	34	1	2	..	..	..	..	..	..	..	..	4	13
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Madura	..	..	..	..	..	..	..	..	..	..	3	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	5	10	..	..
Total ..	2	69	1	40	4	91	..	..	2	458	3	14	..	..	4	38	2	5	3	60	4	13	15	19	37	125	78	21
Grand Total ..	3	105	2	46	4	91	2	7	2	458	8	83	3	14	5	44	10	198	11	238	31	92	45	326	94	418	139	240

* Two blocks were notified under section 4 during the year, but one of about two square miles was notified also under section 16 during the year.

† Rounding off of fractions.

‡ The block of one square mile notified under section 4 was also notified under section 16.

§ Below one square mile.

Appendix B.

Causes of delay in the submission of final Notifications of Forest Reserves.

Districts.	Causes of delay.														
	Notified under section 16 during 1899–1900, but with effect only after 30th June 1900.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of notification.	Awaiting replies to references made to Collectors or Board	Awaiting inspection by Forest Settlement-officer.	Other causes, awaiting information from Tahsildars, return of records from the District Court, &c.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ganjám ..	..	1	..	..	1	..	1	..	..	2	..	1	..	..	6
Vizagapatam	..	1	..	..	..	..	..	..	..	..	1	1	..	2	5
Gódávari ..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	3
Kistna ..	4	1	..	2	..	14	1	2	1	3	..	3	10	1	42
Kurnool ..	..	2	1	..	..	..	2	..	..	..	..	2	1	2	10
Bellary ..	2	..	..	..	..	..	..	..	1	2	..	..	..	..	5
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	5	5
Cuddapah	3	3	..	5	..	..	..	1	..	3	3	..	..	1	19
Nellore ..	2	3	2	..	..	13	..	2	1	2	..	1	6	3	35
Chingleput	..	1	..	..	..	..	..	..	..	..	3	..	..	1	5
North Arcot	2	2	1	..	..	..	..	..	..	..	..	..	..	2	7
South Arcot	..	4	..	..	..	..	..	..	..	1	2	..	..	..	7
Salem ..	2	2	..	..	1	7	..	..	3	..	..	..	..	4	19
Trichinopoly	6	2	1	..	3	..	..	11	..	2	3	..	..	8	36
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	2	4	..	4	1	..	..	4	..	5	..	1	..	3	24
North Malabar	..	3	..	..	..	..	..	..	..	1	..	..	..	..	4
South Malabar	..	4	..	..	..	..	..	..	..	..	..	..	..	..	4
The Nilgiris	8	9	..	..	6	8	..	63	..	5	2	1	..	2	104
North Coimbatore	1	1	..	..	..	..	..	5	..	..	..	..	..	1	8
South Coimbatore	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1
Madura ..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	3
Tinnevelly	1	..	..	..	..	..	..	..	..	4	..	..	..	2	7
Total ..	34	46	5	11	12	43	4	88	6	31	14	10	17	38	359

Appendix C.

Reserved Lands not under Settlement in square miles.

Districts.	Up to 1898–99.	Added during 1898–99	Added during 1899–1900.	Total.	Transferred for settlement. Up to 1898-99.	During 1898–99.	During 1899–1900.	Total.	Balance remaining "reserved lands" not under settlement.
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	563	(a) — 18 (b) — 1 (d) — 6	7 (a) + 2 (b) — 8	539	556 (b) — 8	(a) — 18	7 (a)+ 2	539	..
Vizagapatam ..	413	(b) — 5 (c) — 54	..	354	256	8	1	265	89
Gódávari	970	(b) — 14	2 (a) + 1 (b) — 8	951	956 (b) — 8	..	2 (a) + 1	951	..
Kistna	1,162	(a) + 2 (b) — 12 (c) — 9 (d) + 1	(a) + 7 (c) — 15 (b) — 8	1,128	882 (b) — 8 (e) — 5	21 (a) + 1	49	940	188
Kurnool	2,670	242 (b) — 12	(b) — 12 (c) — 7	2,881	2,383 (d) — 12 (e) — 1	59	..	2,429	452
Bellary	615	27 (b) — 3 (c) — 84 (d) + 6	4 (b) — 2 (c) — 7 (d) + 10 (e) — 1	615	496 (b) — 2 (d) + 10	30	12	546	69
Anantapur.. ..	512	(b) — 5	3 (b) — 1 (e) + 1	510	507 (b) — 1 (e) + 1	..	3	510	..
..	6,905	105	— 32	6,978	6,002	118 (a) — 17	74 (a) + 3	6,180	798
Central Circle.									
Cuddapah	2,400	65 (a) — 2 (c) — 10	28 (a) — 25	2,451	2,295	108 (a) — 2	23 (a) — 15	2,409	42
Nellore	680	40 (b) — 9 (c) — 4 (e) + 1	49 (b) — 1 (e) — 1	755	654 (b) — 1	40	49	742	13
Chingleput ..	215	..	(e) — 1	214	215 (e) — 1	..	..	214	..
North Arcot ..	1,129	1 (a) + 8 (d) + 98	(b) — 1 (d) — 1	1,234	1,226 (b) — 1 (d) — 1	1 (a) + 8	..	1,233	1
South Arcot ..	711	(c) — 2	..	709	709	..	..	709	..
Salem	1,396	30 (c) — 3	33 (c) — 4 (e) + 1	1,453	1,322 (c) — 1 (e) + 1	35	76	1,433	20
Trichinopoly ..	278	49 (b) — 1 (c) — 3	(b) — 2 (c) — 3	318	267 (b) — 2 (c) — 3	56	..	318	..
Tanjore	18	..	..	18	18	..	..	18	..
Total ..	6,827	258	+ 67	7,152	6,697	240 (a) + 6	148 (a) — 15	7,076	76
Southern Circle.									
South Canara ..	1,123	(a) — 2 (b) — 5 (c) — 21	(b) — 1 (c) — 1	1,093	583 (b) — 1	116	5	703	390
North Malabar ..	274	(c) — 2	..	272	270	..	..	270	2
South Malabar ..	328	.	..	328	299 (c) — 18	..	..	281	47
The Nilgiris ..	483	11 (c) — 3	2 (b) — 4	489	392 (b) — 4	11	2	401	88
North Coimbatore.	1,619	(e) — 1	13 (a) + 24 (b) — 1 (c) — 15	1,639	1,581 (b) — 1 (c) — 4	..	13 (a) + 24	1,613	26
South Coimbatore .	657	..	1	658	657	..	1	658	..
Madura	618	(b) — 4	(a) + 2	611	609	..	(a) + 2	611	
Tinnevelly ..	424	6 (c) — 2 (e) + 1	..	429	421	8	..	429	..
Total ..	5,521	— 22	+ 20	5,519	4,784	135	21 (a) + 26	4,966	553
Grand Total ..	19,253	341	55	19,649	17,483	493 (a) — 11	243 (a) + 14	18,222	1,427

(a) By rectification. (b) At settlement. (c) Unreserved or disafforested.
(d) By rectification of areas already constituted reserved forests.
(e) By rounding off fractions in previous years' returns.

FORM No. 46.

Forest Department, Madras Presidency.

RECORD of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at close of year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work.	Expenditure on demarcation during the year. On repairs.
1	2	3	4	5	6	7	8	9	10
Northern Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjám	150	31	484	665	333	149	1,147	(a)1,372	31
Vizagapatam	63	Not given.	285	348	152	Not known	500	(a)1,763	774
Gódávari	124	200 (g) 388	260	972	117	306	1,395	(a)2,009	(a) 8,288 (f) 581
Kistna	139	89	858	1,086	42	117	1,245	(a)2,758	(a) 537
Kurnool	107	..	634	741	622	157	1,520	1,888	(d)+1,278 (c) 749
Bellary	92	198	1,177	1,467	60	..	1,527	484	423
Anantapur	56	25	1,138	1,219	..	..	1,219	(a) 306	233
Total, Northern Circle ..	731	931	4,836	6,498	1,326	729	8,553	10,580	12,894
Central Circle.									
Cuddapah	182 (e) 9	95	2,608	2,894	49	*Nil.*	2,943	(e) 1,185	213 (d) — 37
Nellore	250	..	1,331	1,581	74	86	1,741	(a)1,924	(d)+ 418
Chingleput	26	..	863	889	..	..	889	236	(f) 468 (a) 39
North Arcot	24 (e)25	11 (g)1,914	155	2,129	..	44	2,173	(a) 528	97
South Arcot	90	..	2,063	2,153	185	..	2,338	(a)1,930	..
Salem	70	390 (g) 621	1,121	2,202	221	68	2,491	195	447 (d)— 280
Trichinopoly	15	(g) 296	243	554	462	..	1,016	97	..
Tanjore	..	..	79	79	..	..	79	..	..
Total, Central Circle ..	691	3,327	8,463	12,481	991	198	13,670	6,095	1,365
Southern Circle.									
South Canara	353	20	1,680	2,053	..	110	2,163	4,487	200
Malabar, North	17	..	529	546	529	2	1,077	214	(d) 36
Do. South	..	..	119	119	87	112	318	..	..
The Nilgiris	..	100	953	1,053	15	232	1,300	..	(a) 1,865
Coimbatore, North	34	225	314	573	..	168	741	556	(a) 1,011
Do. South	6	(g) 3	487	496	8	77	581	106	(d) + 14
Madura	..	37 (g) 487	1,004	1,528	30	139	1,697	..	(a) 1,058
Tinnevelly	27	4	402	433	95	171	699	133	73
Total, Southern Circle ..	437	876	5,468	6,801	764	1,011	8,576	5,496	4,257
Grand Total, Presidency ..	1,859	5,134	18,787	25,780	3,081	1,938	30,799	22,171	18,516

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes.

(a) Includes cost of construction or repair of cairns.
(b) Includes cost of erecting cairns as well as pay of demarcation watchers.
(c) Includes amount spent in cutting working-circle lines.
(d) Added or deducted as per Accountant-General's audited figures.
(e) Rectification of boundaries.
(f) Cost of temporary establishment.
(g) Repairs done by existing establishment without cost.

Annual Form No. 47.

Forest Department, Madras Presidency

Statement of Forest Areas surveyed and under survey during the year 1899–1900.

Districts.	Areas surveyed and under survey during the year 1899–1900.															
	Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey.								Ordinary, included in district surveys.							
	With interior details.					Boundary surveys.			With interior details.					Boundary surveys.		
	With details of growing stock.		Without details of growing stock.		Total cost.				With details of growing stock.		Without details of growing stock.		Total cost.			
	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.	Previous.	Of year.	Previous.	Of year.		Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.
Ganjám	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	437	41	22	18	..	331	..	..	288	145	1,751
Kurnool	..	..	618	413	71,210	882	8	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	523	‡	..	..	..	..
Anantapur	..	..	168	..	‡	..	..	..	..	..	188	‡	..	..	..	..
Cuddapah	..	..	340	388	20,685	332	149	..	..	..	..	..	..	..	..	..
Nellore *	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	115	..	587	..	..	..
North Arcot	..	..	1,085	..	..	..	..	..	..	..	..	..	..	..	..	..
South "	..	..	† 229	..	8,829	82	..	..	..	..	..	..	..	..	..	..
Salem	..	..	1,129	..	33,354	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	..	..	66	..	25,000	6	..	..	..	..	..	..	..	171	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	..	392	..	..	98	3,971	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South "	6	..	33	..	..	..	..	..	..	..	1	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	925	723	29,288	263	36	..	..	..	..	..	..	..	..	..
South "	..	..	652	..	..	..	..	..	..	..	2	3	..	..	..	..
Madura	..	..	572	25	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	410	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	6	..	6,227	1,941	1,88,366	2,002	332	3,993	18	..	1,160	3	587	459	145	1,751

N.B.—The instructions regarding the preparation of this form have not been attended to in most of the districts and the entries are not therefore accurate.

* The Collector has sent a *nil* statement. † This does not include the cost of 99 miles, information in regard to which is not available. ‡ Not known or reported.

Statement of Forest Areas surveyed and under survey during the year 1899-1900—*cont.*

District.	Areas surveyed and under survey during the year 1899-1900—*cont.* Chain and compass or other surveys by local officers. With interior details. 4-inch or over. Previous.	4-inch or over. Of year.	Under 4-inch. Previous.	Under 4-inch. Of year.	Total cost.	Boundary surveys. Previous.	Boundary surveys. Of year.	Boundary surveys. Total cost.	Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost. Previous.	Cost. Of year.	Entire cost of all surveys to end of the year.
	18	19	20	21	22	23	24	25	26	27	28	29	30
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Ganjám	..	..	..	..	..	726	158	12,753	..	488	11,294	1,459	12,753
Vizagapatam	14	..	..	..	..	15	26	..	207	221	..	..	..
Gódávari	..	..	..	..	..	144	353	1,742	944	944	1,215	1,742	2,957
Kistna	4	..	..	..	..	177	145	..	450	803	2,904	1,773	4,677
Kurnool	5	..	..	..	254	126	..	1,713	969	2,075	58,181	14,996	73,177
Bellary	..	..	..	..	..	..	..	..	..	523	496	..	496
Anantapur	154	3	..	..	..	..	..	..	..	507	..	..	..
Cuddapah	..	..	..	..	..	..	..	..	..	2,028	29,827	20,685	50,512
Nellore *	..	..	..	..	..	..	..	..	..	667	..	..	..
Chingleput	..	3	..	..	..	..	..	..	92	210	587	..	587
North Arcot	98	..	..	..	..	..	37	..	..	1,183	..	..	..
South „	6	..	..	..	52	..	..	..	440	685	† 8,880	..	8,880
Salem	..	..	..	..	..	..	5	251	128	1,257	33,103	251	33,354
Trichinopoly	1	..	..	..	..	..	..	..	..	240	25,000	..	25,000
Tanjore	18	..	..	..	..	..	..	..	..	18	..	..	..
South Canara	..	..	..	..	..	..	..	..	..	497	..	3,971	3,971
North Malabar	..	..	..	..	..	37	..	728	159	159	728	..	728
South „	..	..	..	..	..	150	..	610	150	190	778	..	778
The Nilgiris	..	..	..	..	..	..	..	..	389	389	..	..	..
North Coimbatore	..	..	..	..	..	..	..	..	..	1,106	37,635	29,288	66,923
South „	..	..	..	..	..	..	..	..	..	657	..	..	..
Madura	..	..	..	..	..	..	..	..	..	597	1,148	..	1,148
Tinnevelly	..	..	..	..	..	..	..	..	8	418	..	..	..
Total ..	300	6	..	..	306	1,375	724	17,797	3,936	15,862	2,11,776	74,165	2,85,941

N.B.—The instructions regarding the preparation of this form have not been attended to in most of the districts and the entries are not therefore accurate.

* The Collector has sent a *nil* statement.

† Revised figure.

Appendix D.

Abstract of District Reports in regard to the maintenance of Maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—Final maps have been prepared for all reserved forests, in addition to 25 fire conservancy maps.

Vizagapatam, Bellary, and Anantapur.—The district, range and reserve maps are maintained as usual.

Gódávari.—The district map (1″ = 4 miles) is maintained as usual; range maps and separate maps for each reserve are also maintained.

Kistna.—Final maps have been prepared in respect of an area of 555 square miles of reserved forests.

Kurnool.—Maps maintained in previous years have been posted up to date. Sketch-maps to accompany notifications under sections 4 and 16 have also been prepared during the year. No separate working-circle maps have yet been prepared.

Central Circle.

Cuddapah.—The district and range maps prescribed in the Forest Code are maintained and posted up to date. Eleven new taluk maps received from the Madras Survey office have been posted and supplied to the Range officers in lieu of the old ones reported to be useless.

Nellore.—Copies of sketches of final maps have been prepared and supplied to Range officers during the year.

Chingleput.—The district and taluk maps and atlas sheets have been posted up to date. Thirty-two block maps have been prepared for working plans in the Tiruvallúr and Chingleput ranges besides four block maps for the Forest Settlement-officer.

North Arcot.—The district map (1″ =4 miles) showing reserved forests, &c , is maintained up to date. Copies of taluk maps posted up to date have been distributed to the Range officers concerned, while maps of blocks covering an area of 92 square miles have also been issued to Range officers.

South Arcot.—Old sketches have been revised and posted up to date. Outline sketches have been supplied to Range officers for preparing estimates and posting final demarcation.

Salem.—The district and range maps have been maintained as usual. Maps have been prepared by the Survey of India for 107 reserves.

Trichinopoly.—The district and taluk maps are maintained and posted up to date. Maps for the hill reserves in the Musiri and Perambalúr ranges have been received from the Survey of India Party during the year. No working-plans have been prepared during the year.

Tanjore.—The district, the range reference and the working-plan maps are maintained as usual.

Southern Circle.

South Canara.—The district reference map is posted up to date and maps are maintained for nearly all reserved forests.

North Malabar.—District reference map is kept up to date. Maps of six reserves have been received printed from the Survey office during the year.

South Malabar.—The district reference map has been posted up to 30th June 1900. Reserve and range reference maps have also been maintained. There are working-circle maps for the area for which working-plans were prepared.

The Nilgiris.—The office reference map and range reference maps are maintained and posted up to date. Reserve maps for Mudumalai, Kombarakolli and Benne forests are also kept up, while settlement maps for each village in the district are duly maintained with all the reserves indicated thereon. Working-circle plans are maintained for nine plantations in the district.

North Coimbatore.—The office reference map and topographical sheets used as range reference maps are being maintained and posted up to date. Reserve maps have been prepared for eight reserves in the Erode taluk and are under preparation for fifteen additional reserves. In the remaining cases the settlement map and the topographical sheets have been supplied to Range officers to serve as reserve maps until the survey is complete.

South Coimbatore.—District reference map is maintained in duplicate. The taluk maps have been utilized for range reference maps and most of the particulars relating to the five ranges have been entered. Survey of India maps are available for all reserves, but some details have yet to be entered. Separate maps are maintained for each of the working-circles.

Madura.—The six reserve maps referred to in the last year's report as having been sent to the Survey office for reproduction have not yet been received. There are Survey of India maps for almost all reserves, but some details still remain to be entered therein.

Tinnevelly.—The district reference map has been posted up to 30th June 1900. Range officers are supplied with the India Survey maps of the existing reserves and with the taluk maps in which the reserves have been incorporated. The maps of the recently notified blocks will shortly be sent to the survey office for supply of necessary spare copies.

APPENDIX E.

STATEMENT showing Area of Reserved Forests for which final Maps have been prepared.

Districts.	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	488	488
Vizagapatam	221	14
Gódávari	944	(a) ..
Kistna	803	555
Kurnool	2,075	..
Bellary	523	355
Anantapur	507	494
Cuddapah	2,028	1,967
Nellore	667	657
Chingleput	210	(b) 210
North Arcot	1,183	(c) 877
South Arcot	685	685
Salem	1,257	1,019
Trichinopoly	240	81
Tanjore	18	18
South Canara	497	482
North Malabar	159	152
South Malabar	190	40
The Nilgiris	389	..
North Coimbatore	1,106	(d) 7
South Coimbatore	657	654
Madura	597	585
Tinnevelly	418	410
Total	15,862	9,760

(a) Twenty-one reserved forests in the district are reported to have been surveyed by the Forest Surveyor. As some of the original sketches which constituted the settlement maps are very rough, they are undergoing revision. Three hundred and fifty-one miles of boundary line were surveyed, and the Coringa coast is being surveyed by a special officer deputed by Government for the work.

(b) These are only copies of maps attached to the final notifications, but are, however, only approximately correct wherever the boundaries go through unsurveyed areas.

(c) Final maps have been prepared by the Madras Survey office for 35 square miles and by the Survey of India Party for 842 square miles.

(d) Maps are being prepared by the Survey of India Party.

Annual Form No. 48.

Forest Department, Madras Presidency.

Progress made in Working-Plans during 1899–1900.

District.	Areas for which working-plans have been completed and approved by the Board.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	* Remarks.
	At commencement of year.	During year.	At commencement of year.	During year.				
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A P.	RS.
Ganjám	..	..	21	..	518	539	..	..
Vizagapatam	..	..	..	5	349	354	..	..
Gódávari	3	49	111	137	651	951	..	110
Kistna	8	..	768	..	352	1,128	..	..
Kurnool	..	..	..	..	2,881	2,881	..	..
Bellary	12	..	..	..	603	615	..	..
Anantapur	..	..	1	..	509	510	..	..
Total ..	23	49	901	142	5,863	6,978	..	† 110
Central Circle.								
Cuddapah	3	..	..	..	2,448	2,451	..	36
Nellore	..	108	66	302	279	755	2 1 0	600
Chingleput	..	..	..	34	180	214	..	..
North Arcot	..	..	..	..	1,234	1,234	..	..
South Arcot	..	..	99	..	610	709	..	..
Salem	1	..	..	276	1,176	1,453	..	28
Trichinopoly	1	..	33	..	284	318	..	63
Tanjore	4	..	4	..	10	18	..	..
Total ..	9	108	202	612	6,221	7,152	..	727
Southern Circle.								
South Canara	1	..	..	..	1,092	1,093	..	..
North Malabar	..	..	28	..	244	272	..	90
South Malabar	34	..	24	..	270	328	99 0 0	..
The Nilgiris	6	..	..	14	469	489	56 0 0	282
North Coimbatore ..	..	62	..	..	1,577	1,639	..	..
South Coimbatore ..	10	..	7	..	641	658	..	..
Madura	..	..	248	..	363	611	1 5 0	182
Tinnevelly	56	..	..	..	373	429	49 0 0	..
Total ..	107	62	307	14	5,029	5,519	..	554
Grand Total ..	139	219	1,410	768	17,113	19,649	..	1,891

* The figures in column 9 represent the cost incurred during the year under A-VIII (*d*).

† This is exclusive of the lump sum of Rs. 1,543 spent under direction Northern Circle A-VIII (*d*).

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District.	New work undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
Northern						
		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Ganjám ..	(a) Head-quarter houses ..	175	(a) Cart roads	1	46	..
	(c) Houses for subordinate establishments	215				
	Total, Ganjám ..	390	Total ..	1	46	436
Vizagapatam.	(b) Rest-houses	244	(a) Cart roads	9	1,021	..
	(c) Houses for subordinate establishments	220				
	Total, Vizagapatam ..	464	Total ..	9	1,021	1,485
Gódávari ..	(c) Houses for subordinate establishments	356	(a) Cart roads	22	5,079	..
	(d) Others	122				
	Total, Gódávari ..	478	Total ..	22	5,079	5,557
Kistna ..	....	..	(a) Cart roads	24	1,456	..
	Total, Kistna ..	..	Total ..	24	1,456	1,456
Kurnool ..	(b) Rest-houses	85	(a) Cart roads	14	2,605	..
	(c) Houses for subordinate establishments	203				
	Total, Kurnool ..	288	Total ..	14	2,605	2,893
Bellary ..	(b) Rest-houses	1,142	(b) Bridle-paths	4	126	..
	Total, Bellary ..	1,142	Total ..	4	126	1,268
Anantapur ..	(b) Rest-houses	1,531	(a) Cart roads	4	286	..
			(b) Bridle-paths	17	681	..
	Total, Anantapur ..	1,531	Total ..	21	967	2,498
Total, Northern Circle.	(a) Head-quarter houses ..	175	(a) Cart roads	74	10,493	..
	(b) Rest-houses	3,002	(b) Bridle-paths	21	807	..
	(c) Houses for subordinate establishments .. .	994				
	(d) Others	122				
	Total, Northern Circle ..	4,293	Total ..	95	11,300	15,593

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	59	(a) Cart roads	..	237	296
(c) Houses for subordinate establishments	1,502	(a) Cart roads	6	283	..
		(b) Bridle-paths	77	363	..
			83	646	2,307
Add pay of watchers ..	159	Add A-VII (c) ..	..	..	280
Total ..	1,661	Total ..	..	..	2,587
(a) Head-quarter houses	40	(a) Cart roads	7	209	..
(b) Rest-houses	727				
(c) Houses for subordinate establishments	52				
(d) Others	28				
	847		7	209	1,175
Add pay of watchers ..	119	Add A-VII (c) ..	..	..	97
Total ..	966	Total ..	..	..	1,272
(a) Head-quarter houses	51	(b) Bridle-paths	3	37	..
(b) Rest-houses	272				
(d) Others	6				
	329		3	37	1;759
Add pay of watchers ..	1,393	Add A-VII (c) ..	..	..	1,110
Total ..	1,722	Total ..	..	..	2,869
(a) Head-quarter houses	8	(a) Cart roads	4	50	..
(b) Rest-houses	290	(b) Bridle-paths	1	50	..
(c) Houses for subordinate establishments	47				
	345				
Deduct amount recovered from subordinates responsible for the loss of doors of a range camp	7		5	100	438
		Add A-VII (c) ..	..	..	922
Total ..	338	Total ..	..	..	1,360
(a) Head-quarter houses	39				
(b) Rest-houses	1,994				
(d) Others	420				
	2,453		..	..	2,954
Add pay of temporary establishments ..	501	Add A-VII (c) ..	..	.	750
Total ..	2,954	Total ..	..	..	3,704
(b) Rest-houses	5		..	..	..
(c) Houses for subordinate establishments	2		..	..	7
Total ..	7	Total ..	..	..	7
(a) Head-quarter houses	76	(a) Cart roads	2	90	..
(b) Rest-houses	24	(b) Bridle-paths	..	16	..
(d) Others	70				
	170				
Add pay of watchers ..	581				
Total ..	751	Total ..	2	106	857
(a) Head-quarter houses	273	(a) Cart roads	19	885	..
(b) Rest-houses	3,312	(b) Bridle-paths	81	450	..
(c) Houses for subordinate establishments	1,603				
(d) Others	524				
	5,712		100	1,335	9,793
Add pay of watchers ..	* 2,746	Add A-VII (c) ..	..	..	3,159
Total ..	8,458	Total ..	100	1,335	12,952

* This amount excludes Rs. 7 recovered from subordinates responsible for the loss of doors of a range camp in the Kistna district.

Communications

District.	New work undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7

Central

		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Cuddapah ..	(*d*) Others	120	(*a*) Cart roads	6	84	..
	Total, Cuddapah ..	120	Total ..	6	84	204
Nellore ..	....	..	....	..	..	..
	Total, Nellore ..	..	Total ..	..	..	..
Chingleput ..	(*b*) Rest-houses	1,001	(*a*) Cart roads	3	137	..
	(*d*) Others	77				
	Total, Chingleput ..	1,078	Total ..	3	137	1,215
North Arcot ..	(*a*) Head-quarter houses ..	1,822	(*a*) Cart roads	2	2,450	..
	(*c*) Houses for subordinate establishments	219				
	(*d*) Others	343				
	Total, North Arcot ..	2,384	Total ..	2	2,450	4,834
South Arcot ..	(*b*) Rest-houses	33	....	..	..	..
	Total, South Arcot ..	33	Total ..	..	..	33
Salem ..	(*a*) Head-quarter houses ..	119	(*a*) Cart roads	* ..	714	..
	(*b*) Rest-houses	1,981				
	(*c*) Houses for subordinate establishments	85				
	(*d*) Others	174				
	Total, Salem ..	2,359	Total ..	..	714	3,073
Trichinopoly ..	....	..	....			
	Total, Trichinopoly ..	..	Total ..	..	..	..
Tanjore ..	....	..	....	..	..	..
Total, Central Circle.	(*a*) Head-quarter houses ..	1,941	(*a*) Cart roads	11	3,385	..
	(*b*) Rest-houses	3,015				
	(*c*) Houses for subordinate establishments	304				
	(*d*) Others	714				
	Total, Central Circle ..	5,974	Total ..	11	3,385	9,359

* Length of miles not stated.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	11	....	..	..	11
(a) Head-quarter houses	119	(a) Cart roads	3	47	..
(b) Rest-houses	494	(b) Bridle-paths	5	181	..
(c) Houses for subordinate establishments	26				
(d) Others	460				
	1,099		8	228	1,590
Add pay of watchers ..	263	Add A-VII (c) ..	..	..	327
Total ..	1,362	Total ..	..	..	1,917
(a) Head-quarter houses	120	....	..	..	..
(b) Rest-houses	167				
(d) Others	142				
	429				
Add pay of watchers ..	82				
Total ..	511+6*	Total ..	..	..	517
(b) Rest-houses	204	(a) Cart roads	5	150	419
(c) Houses for subordinate establishments	60	Add A-VII (c) ..	..	..	220
(d) Others	5				
Total ..	269	Total ..	..	..	639
(a) Head-quarter houses	54	(a) Cart roads	105	832	..
(b) Rest-houses	1,372	(c) Others	..	335	..
(d) Others	43				
	1,469		105	1,167	3,512
Add pay of temporary establishments.	876	Add A-VII (c) ..	..	..	158
Total ..	2,345	Total ..	..	..	3,665
(b) Rest-houses	8	(a) Cart roads	..	262	..
	8		..	262	610
Add pay of watchers ..	340	Add A-VII (c) ..	..	..	26
Total ..	348	Total ..	..	..	636
(a) Head-quarter houses	96	....	..	..	508
(b) Rest-houses	309				
(d) Others	103				
		Add A-VII (c) ..	..	..	246
Total ..	508	Total ..	..	..	754
(b) Rest-houses	† 298	(a) Cart road	4	40	..
Total ..	298	Total ..	4	40	338
(b) Rest-houses	39	...	..	..	39
(a) Head-quarter houses	400	(a) Cart roads	117	1,331	..
(b) Rest-houses	2,891	(b) Bridle-paths	5	181	..
(c) Houses for subordinate establishments	86	(c) Others	..	335	..
(d) Others	759				
	4,136		122	1,847	7,544
Add pay of watchers ..	1,561	Add A-VII (c) ..	..	..	972
Total ..	5,697	Total ..	..	..	8,516

* Addded as per the Accountant-General's audited figures.
† Includes Rs. 23 transferred from advances by the Accountant-General.

Communications

District.	New work undertaken during the year.						
	Buildings.		Roads and paths.				Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.		Expenditure incurred.	
1	2	3	4	5		6	7
Southern							
		RS.		MLS.	F.	RS.	RS.
South Canara.	(b) Rest-houses	149		..		..	..
	(c) Houses for subordinate establishments	38		..		..	..
	Total, South Canara ..	187	Total ..	..		..	187
North Malabar.	(a) Head-quarter houses ..	768	(b) Bridle-path	1	0	230	..
	(c) Houses for subordinate establishments	69					
	(d) Others	10					
	Total, North Malabar ..	847	Total ..	1	0	230	1,077
South Malabar.	(a) Head-quarter houses ..	1,701	(a) Cart roads	4	0	471	..
	(b) Rest-houses	287	(c) Others	..		104	..
	Total, South Malabar ..	1,988	Total ..	4	0	575	2,563
The Nilgiris ..	(a) Head-quarter houses ..	1,293	(a) Cart roads	1	0	269	..
	(b) Rest-houses	29					
	Total, The Nilgiris ..	1,322	Total ..	1	0	269	1,591
North Coimbatore.	(a) Head-quarter houses ..	461	(a) Cart roads	35	0	1,587	..
	(b) Rest-houses	724					
	(d) Others	* 3,764					
	Total, North Coimbatore ..	4,949	Total ..	35	0	1,587	6,536
South Coimbatore.	(a) Head-quarter houses ..	860	(b) Bridle-path	..		310	..
	(b) Rest-houses	397	(c) Others	..		215	..
	(c) Houses for subordinate establishments	463					
	(d) Others	189					
	Total, South Coimbatore ..	1,909	Total ..	..		525	2,434
Madura ..	(b) Rest-houses	938	(b) Bridle-paths	13	0	106	..
	Total, Madura ..	938	Total ..	13	0	106	1,044

* Cost incurred in the construction of a godown for storing minor forest produce at Satyamangalam.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	19	(*a*) Cart roads	9	39	..
(*b*) Rest-houses	24	(*b*) Bridle-paths	2	2	..
(*c*) Houses for subordinate establishments	57				
(*d*) Others	34				
			11	41	175
		Add A-VII (*c*) ..	..	..	141
Total ..	134	Total ..	..	..	316
(*a*) Head-quarter house	78	(*a*) Cart roads	103	1,592	2,217
(*b*) Rest-houses	547				
		Add A-VII (*c*) ..	..	..	638
Total ..	625	Total ..	..	..	2,855
(*a*) Head-quarter houses	6	(*a*) Cart roads	10	217	
(*b*) Rest-houses	192	(*b*) Bridle-paths	11	92	
(*c*) Houses for subordinate establishments	178		21	309	685
		Add A-VII (*c*) ..	..	..	89
Total ..	376	Total ..	..	..	774
(*d*) Others	1,080	(*a*) Cart roads	61	1,264	..
			61	1,264	2,344
		Add A-VII (*c*) ..	..	..	180
Total ..	1,080	Total ..	..	..	2,524
(*a*) Head-quarter houses	101	(*a*) Cart roads	37	3,046	..
(*b*) Rest-houses	125	(*b*) Bridle-paths	5	8	..
(*c*) Houses for subordinate establishments	10				
(*d*) Others	29				
	265				
Add pay of watchers ..	393				
Total ..	658	Total ..	42	3,054	3,712
		(*a*) Cart roads	21	1,670	..
(*a*) Head-quarter houses	230		21	1,670	3,024
(*b*) Rest-houses	849	Add A-VII (*c*) ..	..	..	3,654
(*d*) Others	* 275				
	1,354	Total ..	..	..	6,678
(*a*) Head-quarter houses	470	(*a*) Cart roads	8	199	..
(*b*) Rest-houses	51	(*c*) Others	..	60	..
(*d*) Others	209				
	730		8	259	1,336
Add pay of watchers ..	347	Add A-VII (*c*) ..	..	..	111
Total ..	1,077	Total ..	..	..	1,447

* Added or deducted as per Accountant-General's audited figures.

Communications.

District.	New work undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
			Southern			
		RS.		MLS.	RS.	RS.
Tinnevelly ..	(b) Rest-houses	75	(a) Cart roads	2	330	
	(d) Others	130	(b) Bridle-paths	8	624	
	Total, Tinnevelly ..	205	Total ..	10	954	1,159
Total, Southern Circle.	(a) Head-quarter houses ..	5,083	(a) Cart roads	42	2,657	
	(b) Rest-houses	2,599	(b) Bridle-paths	21	1,270	
	(c) Houses for subordinate establishments	570	(c) Others	..	319	
	(d) Others	4,093				
	Total, Southern Circle ..	12,345	Total ..	63	4,246	16,591
Grand Total, Presidency.	(a) Head-quarter houses ..	7,199	(a) Cart roads	127	16,535	
	(b) Rest-houses	8,616	(b) Bridle-paths	42	2,077	
	(c) Houses for subordinate establishments	1,868	(c) Others	..	319	
	(d) Others	4,929				
	Total, Presidency ..	22,612	Total ..	..	18,931	41,543

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses ..	1	(*a*) Cart roads	62	1,698	
(*b*) Rest-houses	1,312	(*b*) Bridle-paths	42	981	
(*c*) Houses for subordinate establishments	82	(*c*) Others	..	248	
(*d*) Others	465		104	2,927	4,787
		Add A-VII (*c*) ..	..	..	204
Total ..	1,860	Total ..	..	..	4,991
(*a*) Head-quarter houses	905	(*a*) Cart roads	311	9,725	
(*b*) Rest-houses	3,100	(*b*) Bridle-paths	60	1,083	
(*c*) Houses for subordinate establishments	327	(*c*) Others	..	308	
(*d*) Others	2,092		371	11,116	18,280
	6,424	Add A-VII (*c*) ..	..	..	5,017
Add pay of watchers ..	740	Total ..	..	..	23,297
Total ..	7,164				
(*a*) Head-quarter houses	1,578	(*a*) Cart roads	447	11,941	
(*b*) Rest-houses	9,303	(*b*) Bridle-paths	146	1,714	
(*c*) Houses for subordinate establishments	2,016	(*c*) Others	..	643	
(*d*) Others	3,375				
	16,272		..	14,298	35,617
Add pay of watchers ..	5,047	Add A-VII (*c*) ..	..	..	9,148
Total ..	21,319	Total ..	..	..	44,765

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1898-89.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	16,240	15,266	By depreciation at 6 per cent.	974	1,071
Add stock	..	2,688	,, balance of stock	15,266	16,783
Total ..	16,240	17,854	Total ..	16,240	17,854

Revenue Account.

—	1898-99.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	901	688	By balance written off ..	2,762	2,635
,, road-making and repairs ..	237	162			
,, interest at 4 per cent. ..	650	714			
,, depreciation at 6 per cent. ..	974	1,071			
Total ..	2,762	2,635	Total ..	2,762	2,635

—	1898-99.					1899-1900.				
	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	5,319	$4\frac{3}{4}$	25,265	2,762	0 1 9	$4,916\frac{1}{2}$	4	19,666	2,636	0 2 1

(ii) Casuarina Plantation Range.

Capital Account.

—	1898-99.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	11,764	11,058	By depreciation at 6 per cent. ..	706	1,052
Add new stock	..	6,470	,, balance of stock	11,058	16,476
Total ..	11,764	17,528	Total ..	11,764	17,528

Revenue Account.

—	1898-99.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	426	1,331	By balance written off	1,602	3,885
,, road repairs	..	345			
,, interest at 4 per cent.	470	701			
,, depreciation at 6 per cent. ..	706	1,052			
,, repairs to waggons	..	456			
Total ..	1,602	3,885	Total ..	1,602	3,885

Statement showing the results of transport of wood by tramway, &c.—*cont.*

(ii) Casuarina Plantation Range—*cont.*

Revenue Account—cont.

—	1898-98.					1899-1900.				
	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.	Number of tons of wood carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	919¼	4	3,677	1,602	0 6 11	2,011 $\frac{5}{13}$	6½	13,074	3,885	0 4 8

II.—*South Coimbatore District.*

Capital Account.

—	(*a*)1898-99.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	43,169	40,723	By depreciation at 6 per cent. ..	2,599	2,467
,, repairs to tram trucks	153	93	,, balance of stock	40,723	38,659
,, extension of tram line beyond Sungam	..	310			
Total ..	43,322	41,126	Total ..	43,322	41,126

Revenue Account.

—	(*a*)1898-99.	1899-1900.	—	1898-99.	1899-1900.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	768	2,373	By balance written off	5,430	6,706
,, depreciation at 6 per cent. ..	2,599	2,467			
,, interest at 4 per cent.	1,733	1,645			
,, repairs to tram road and deviation of tram line	330	221			
Total ..	5,430	6,706	Tota ..	5,430	6,706

—	(*a*) 1898-99.					1899-1900.				
	Number of tons of timber carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.	Number of tons of timber carried.	Number of miles carried.	Total ton miles.	Actual charge for carrying.	Rate per ton mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done ..	116⅜ tons (372⅖ candies or 4,655 c. ft.).	5¼	611	5,430	3 7 8	113⅞ tons (4,555 c ft.).	4	456	6,706	1 8 5
	227 $\frac{19}{40}$ tons (727 $\frac{23}{25}$ candies or 9,099 c. ft.).	3¾	853			136⅘ tons (5,472 c. ft.).	3¾	513		
	30 $\frac{17}{20}$ tons (98 $\frac{18}{25}$ candies or 1,234 c. ft.).	3	93			277⅖ tons (11,096 c. ft.).	5½	1,526		
						339 $\frac{7}{40}$ tons (13,567 c. ft.).	5¼	1,780		
						36 $\frac{13}{40}$ tons (1,453 c. ft.).	3	109		
			1,557					4,384		

(*a*) The variation in the figures in the opening balance and those in the closing balance of the previous year has not been explained by the Collector.

ANNUAL FORM No. 30.

Forest Department, Madras Presidency.

REGISTER of Breaches of Forest Rules during 1899–1900.

District.		Cases pending from 1898–99.	New cases of the year. Injury to forest by fire.	New cases of the year. Un-authorized felling or appropriation of wood and minor forest produce.	New cases of the year. Grazing without permission or in tracts in which grazing is prohibited.	New cases of the year. Other offences.	New cases of the year. Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Disposed of during the year. Convictions. Persons.	Disposed of during the year. Acquittals. Cases.	Disposed of during the year. Acquittals. Persons.	Disposed of during the year. Total. Cases.	Disposed of during the year. Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle.															
Ganjám ..	A	32	..	210	40	16	266	298	172	357	24	102	196 * 57	459 * 138	45
	B	21	..	101	15	14	130	151	141	317	..	..	141	317	10
	C	..	..	22	..	2	24	..	..	..	..	..	..	..	..
	Total ..	53	..	338	55	32	420	449	313	674	24	102	337 * 57	776 * 138	55
Vizagapatam ..	A	(b) 22	(c) 3	233	126	23	385	407	300	1,029	10	32	310 * 66	1,061 * 142	† 31
	B	(b) 15	..	197	86	8	291	306	231	618	..	..	231 * 36	618 * 165	39
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	37	3	430	212	31	676	713	531	1,647	10	32	541 * 102	1,679 * 307	70
Gódávari ..	A	(b) 30	3	129	25	22 (a) 11	179 (a) 11	209 (a) 11	137 (a) 2	455 (a) 2	17 (a) 7	124 (a) 7	154 (a) 9 * 11	579 (a) 9 * 26	44 (a) 2
	B	(b) 19	..	117	120	22 (a) 11	259 (a) 11	278 (a) 11	169	426	..	..	169 * 96 (a) * 11	426 * 387 (a) * 11	13
	C	..	3	3	..	3	9	..	..	..	..	..	..	..	..
	Total ..	49	6	249	145	47 (a) 22	447 (a) 22	487 (a) 22	306 (a) 2	881 (a) 2	17 (a) 7	124 (a) 7	323 (a) 9 * 107 (a) * 11	1,005 (a) 9 * 413 (a) * 11	57 (a) 2
Kistna ..	A	18	1	65	57	8	131	149	100	367	27	230	127	597	22
	B	15	2	516	593	79	1,190	1,205	1,075	3,859	..	..	1,075 * 55	3,859 * 174	75
	C	..	2	26	28	9	65	..	..	..	..	..	..	..	..
	Total ..	33	5	607	678	96	1,386	1,354	1,175	4,226	27	230	1,202 * 55	4,456 * 174	97

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

† Incorrectly given by the Collector as 24. (a) Drift-wood cases.

(b) The Collector has not explained the variations between the figures under the heads A and B in the closing balance of the previous year and those in the opening balance of this year as required in Board's Proceedings, Forest No. 221, dated 25th May 1900. The total, however, remains the same.

(c) Details of prosecutions for 6 cases are given in Forms II and III of the Government of India printed in the body of the Report, but the Collector has not explained the variation.

Register of Breaches of Forest Rules during 1899–1900—*cont.*

District.	Cases pending from 1898–99.	New cases of the year. Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle—cont.														
Kurnool .. A	(a) 185	1	174	152	23	350	535	273	1,009	88	371	361 * 64	1,380 * 205	110
B	(a) 148	..	179	121	16	316	464	362	1,379	..	..	362 * 44	1,379 * 172	58
C	..	..	41	..	4	45	..	..	..	..	..	..	..	..
Total ..	333	1	394	273	43	711	999	655	2,388	88	371	723 * 108	2,759 * 377	168
Bellary .. A	32	1	40	11	..	52	84	70	233	4	11	74	244	10
B	41	3	498	266	25	792	833	606	1,472	..	..	606 * 124	1,472 * 225	103
C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	73	4	538	277	25	844	917	676	1,705	4	11	680 * 124	1,716 * 225	113
Anantapur .. A	15	..	37	96	2	135	150	111	364	20	132	131 * 5	496 * 10	14
B	36	..	137	139	3	279	315	238	691	..	..	238 * 51	691 * 164	26
C	..	8	3	16	..	27	..	..	..	..	..	..	..	..
Total ..	51	8	177	251	5	441	465	349	1,055	20	132	369 * 56	1,187 * 174	40
Total, Northern Circle. A	334	9	888	507	94 (b) 11	1,498 (b) 11	1,832 (b) 11	1,163 (b) 2	3,814 (b) 2	190 (b) 7	1,002 (b) 7	1,353 (b) 9 * 203	4,816 (b) 9 * 521	276 (a) 2
B	295	5	1,745	1,340	167 (b) 11	3,257 (b) 11	3,552 (b) 11	2,822	8,762	..	..	2,822 * 406 (b)* 11	8,762 * 1,287 (b) * 11	324
C	..	13	95	44	18	170	..	..	..	..	..	..	..	..
Grand Total, Northern Circle ..	629	27	2,728	1,891	279 (b) 22	4,925 (b) 22	5,384 (b) 22	3,985 (b) 2	12,576 (b) 2	190 (b) 7	1,002 (b) 7	4,175 (b) 9 * 609 (b)* 11	13,578 (b) 9 * 1,808 (b) * 11	600 (b) 2

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(a) The closing balance under items A and B in Column 15 of the previous year's return was 221 and 112 respectively but 36 cases were transferred from A to B.

(b) Driftwood cases.

Register of Breaches of Forest Rules during 1899-1900—*cont.*

District.		Cases pending from 1898-99.	New cases of the year. Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Central Circle.									
Cuddapah ..	A	25	2	265	224	25	516	541	376	1,041	22	52	398 * 20	1,093 * 41	123
	B	67	2	375	336	48	761	828	585	1,498	..	..	585 * 145	1,498 * 437	98
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	92	4	640	560	73	1,277	1,369	961	2,539	22	52	983 * 165	2,591 * 478	221
Nellore ..	A	(a) 56	..	93	227	10	330	386	295	626	20	53	315 * 12	679 * 23	59
	B	(a) 4	..	68	156	3	227	231	77	195	..	..	77 * 144	195 * 271	10
	C	..	..	14	7	..	21	..	..	..	..	..	..	..	..
	Total ..	60	..	175	390	13	578	617	372	821	20	53	392 * 156	874 * 294	69
Chingleput ..	A	(b) 1	..	176	127	25	328	329	108	125	27	35	135 * 137	160 * 153	† 57
	B	(b) 16	..	1,087	322	22	1,431	1,447	1,141	1,225	..	..	1,141 * 2	1,225 * 2	304
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	17	..	1,263	449	47	1,759	1,776	1,249	1,350	27	35	1,276 * 139	1,385 * 155	361
North Arcot ..	A	(c) 87	1	133	267	12	413	500	363	909	35	120	398 * 31	1,029 * 86	71
	B	(c) 229	..	467	1,113	22	1,602	1,831	1,514	2,962	..	..	1,514 * 51	2,962 * 137	266
	C	..	25	3	10	..	38	..	..	..	..	..	..	..	..
	Total ..	316	26	603	1,390	34	2,053	2,331	1,877	3,871	35	120	1,912 * 82	3,991 * 223	337

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

† Incorrectly entered by Collector as 58.

(a) The closing balances under items A and B in column 15 of the previous year's return was 52 and 8, respectively, but four cases were since transferred from B to A.

(b) The variations in the figures between the closing balance of the previous year and the opening balance of the year under report has not been explained by the Collector. The sum total, however remains the same.

(c) The closing balance under items A and B in column 15 of the previous year's return was 17 and 303, respectively. The Collector reports that the correct figure is 316 to be distributed in the proportion of 21 cases to A and 295 to B. Of these four cases were transferred from A to B and 70 *vice versâ*.

Register of Breaches of Forest Rules during 1899-1900—*cont.*

District.		Cases pending from 1898–99.	New cases of the year. Injury to forest by fire.	New cases of the year. Unauthorized felling or appropriation of wood and minor forest produce.	New cases of the year. Grazing without permission or in tracts in which grazing is prohibited.	New cases of the year. Other offences.	New cases of the year. Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
							Central Circle—cont.								
South Arcot	A	(*a*) 210	..	505	195	51	751	961	725	2,289	34	91	759 * 29	2,380 * 70	173
	B	(*a*) 191	..	851	876	73	1,800	1,591	1,708	4,241	..	..	1,703 * 13	4,241 * 47	275
	C	32	39	295	91	32	† 457	..	..	..	..	..	* 127	..	..
	Total ..	(*a*) 433	39	1,651	1,162	156	3,008	2,952	2,428	6,530	34	91	2,462 * 169	6,621 * 117	448
							Southern Circle.								
Salem	A	(*b*) 117	6	375	239	36	656	773	486	1,587	145	761	631 * 18	2,348 * 51	124
	B	(*b*) 119	..	854	865	43	1,762	1,881	1,665	4,683	..	..	1,665 * 143	4,683 * 356	73
	C	..	10	37	28	1	76	..	..	..	..	..	..	..	..
	Total ..	236	16	1,266	1,132	80	2,494	2,654	2,151	6,270	145	761	2,296 * 161	7,031 * 407	197
Trichinopoly	A	15	..	73	45	10	128	143	94	237	29	41	123	278	20
	B	120	1	487	316	15	819	939	724	1,879	..	..	724 * 62	1,879	158
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	135	1	560	361	25	947	1,082	818	2,116	29	41	847 * 62	2,157	173
Tanjore ..	A	(*b*) 7	..	31	52	7	90	97	54	125	11	25	65 * 2	150 * 2	30
	B	(*b*) 5	..	47	108	7	162	167	134	291	..	..	134 * 16	291 * 24	17
	C	..	1	5	11	1	18	..	..	..	..	..	..	..	..
	Total ..	12	1	83	171	15	270	264	188	416	11	25	199 * 18	441 * 26	47

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

† Includes 127 cases in which the offenders were let off with a warning. The Collector has not reported the details for the classification of such offences.

(*a*) The Collector states that the figures are entered with reference to the actual state of the cases pending at the beginning of the year.

(*b*) The variations in the figures entered under heads A and B in the closing balance of the previous year and the opening balance of the year under report has not been explained by the Collector. **The sum total however remains the same.**

Register of Breaches of Forest Rules during 1899-1900—*cont.*

District.		Cases pending from 1898-99.	New cases of the year. Injury to forest by fire.	New cases of the year. Un-authorized felling or appropriation of wood and minor forest produce.	New cases of the year. Grazing without permission or in tracts in which grazing is prohibited.	New cases of the year. Other offences.	New cases of the year. Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Disposed of during the year. Convictions. Persons.	Disposed of during the year. Acquittals. Cases.	Disposed of during the year. Acquittals. Persons.	Disposed of during the year. Total. Cases.	Disposed of during the year. Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
							Southern Circle—cont.								
Total, Central Circle.	A	518	9	1,651	1,376	176	3,212	3,730	2,501	6,939	323	1,178	2,824 * 249	8,117 * 426	657
	B	751	3	4,236	4,092	233	8,564	9,315	7,543	16,974	..	..	7,543 * 576	16,974 * 1,274	1,196
	C	32	75	354	147	34	610	..	..	..	..	..	* 127	..	..
	Total ..	1,301	87	6,241	5,615	443	12,386	13,045	10,044	23,913	323	1,178	10,367 * 952	25,091 * 1,700	1,853
South Canara† ..	A	(*b*) 67	18	190	34	33	275	342	174	334	44	132	218 * 52	466 * 100	72
	B	(*b*) 38	8	391	10	43	452	490	407	667	..	..	407 * 1	667 * 1	82
	C	..	97	19	36	1	153	..	..	..	..	..	..	..	..
	Total ..	105	123	600	80	77	880	832	581	1,001	44	132	625 * 53	1,133 * 101	154
North Malabar ..	A	2	1	3	6	1	11	13	7	21	1	2	8 * 2	23 * 37	3
	B	..	..	..	..	5	5	5	5	13	..	..	5	13	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	2	1	3	6	6	16	18	12	34	1	2	13 * 2	36 * 37	3
South Malabar ..	A	(*c*) 4	..	5	..	3	8	12	5	13	2	19	7 * 3	32 * 21	2
	B	(*c*) 1	..	11	..	..	11	12	12	48	..	..	12	48	..
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	5	..	16	..	3	19	24	17	61	2	19	19 * 3	80 * 21	2
The Nilgiris ..	A	35	4	24	49	21	98	133	79	528	19	97	98 * 24	625 * 37	11
	B	..	..	17	23	5	45	45	44	92	..	..	44	92	1
	C	..	15	..	..	..	15	..	..	..	..	..	..	..	..
	Total ..	35	19	41	72	26	158	178	123	620	19	97	142 * 24	717 * 37	12

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

† Excludes 1,754 petty offences against 2,008 persons.

(*b*) 30 cases under A and 75 under B were pending at the close of the year, of which 37 cases were transferred from B to A.

(*c*) The closing balance under A in column 15 of the previous year was five, but one of the cases was transferred to B.

Register of Breaches of Forest Rules during 1899–1900—*cont.*

District.		Cases pending from 1898–99.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
*Southern Circle—*cont.															
North Coimbatore.	A	(*a*) 37	5	83	97	25	210	247	164	572	22	145	186 * 6	717 * 14	55
	B	15	..	95	77	8	180	195	97	326	..	..	97 * 80	326 * 383	18
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	52	5	178	174	33	390	442	261	898	22	145	283 * 86	1,043 * 397	73
South Coimbatore..	A	(*b*) 37	1	46	24	11	82	119	92	275	18	97	110 * 4	372 * 11	5
	B	14	..	148	62	12	222	236	130	304	..	..	130 * 94	304 * 281	12
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	51	1	194	86	23	304	355	222	579	18	97	240 * 98	676 * 292	17
Madura	A	118	2	233	157	17	409	527	400	1,155	35	115	435 * 16	1,270 * 46	76
	B	27	..	192	142	5	339	366	289	927	..	..	289 * 9	927 * 99	68
	C	2	27	28	16	6	77	..	..	..	..	..	..	..	..
	Total ..	(*c*) 147	29	453	315	28	825	893	689	2,082	35	115	724 * 25	2,197 * 145	144

A. Cases taken to Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(*a*) The variation in the figures entered under A and B in the closing balance of the previous years and the opening balance of the year under report has not been explained. The sum total however remains the same.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 29 and 22 respectively. Of these 8 cases were transferred from head B to A.

(*c*) The variation in the closing balance of the previous year and the opening balance of the year under report has not been explained. The sum total however remains the same.

Register of Breaches of Forest Rules during 1899-1900—*cont.*

District.		Cases pending from 1898-99.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Conviction		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.															
Tinnevelly	A	7	1	39	7	9	56	63	38	96	9	61	47 * 2	157 * 8	14
	B	26	..	256	97	16	369	395	305	831	..	..	305 * 59	831 156	31
	C	..	30	66	4	..	100	..	..	..	..	..	..	..	..
Total		33	31	361	108	25	525	458	343	927	9	61	352 * 61	988 * 164	45
Total, Southern Circle.	A	307	32	623	374	120	1,149	1,456	959	2,994	150	668	1,109 * 109	3,659 * 274	238
	B	121	8	1,110	411	94	1,623	1,744	1,289	3,208	..	..	1,289 * 243	3,208 * 920	212
	C	2	169	113	56	7	345	..	..	..	..	..	..	..	..
Total		430	209	1,846	841	221	3,117	3,200	2,248	6,202	150	668	2,398 * 352	6,867 * 1,194	450
Total, Presidency	A	1,159	50	3,162	2,257	401	5,870	7,929	4,625	13,749	670	2,855	5,295 * 561	16,601 * 1,221	1,173
	B	1,167	16	7,091	5,843	505	13,455	14,622	11,654	28,944	..	..	11,654 * 1,236	28,944 * 3,492	1,732
	C	34	257	562	247	59	1,125	..	..	..	..	..	* 127	..	..
Grand Total, Presidency		2,360	323	10,815	8,347	965	20,450	21,651	16,279	42,693	670	2,855	16,949 * 1,924	45,545 * 4,713	2,905

* Withdrawn.

N.B.—The number of cases of injury to forests by fire given in this Form does not tally in certain districts with those recorded in Forms II and III of the Government of India printed in the body of the Report. The Collectors concerned have not however explained the variations.

Annual Form No. 51.

Forest Department, Madras Presidency.

Area of Forest Tracts protected from Fire during 1899–1900.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Ganjám—Kukuluba.	Gogodo	1890	15,090	10,327	360	9,967	40	
	Chodiapalli	1891	807	907	..	907	32	
	Chendragiri	1885	18,020	18,320	469	17,851	120	
	Brahmanosi	1889	7,930	7,841	824	7,017	64	
	Total, Kukuluba	..	41,847	37,395	1,653	35,742	256	
Mojjaguda.	Tiliki	1889	3,907	4,000	53	3,947	32	
	Dhinirijholi	1889	5,376	5,486	..	5,486	32	
	Darpangia	1889	5,875	6,000	15	5,985	48	
	Gulleri	1889	23,502	23,860	196	23,664	128	
	Kaliamba	1889	8,785	8,896	42	8,854	62	
	Baiballi	1889	9,930	10,000	31	9,969	48	
	Total, Mojjaguda	..	57,375	58,242	337	57,905	350	
Suradá	Dabuki	1890	1,310	1,450	..	1,450	40	
	Dougam	1889	2,000	2,279	80	2,199	16	
	Pippalaponka	1889	3,380	4,000	500	3,500	56	
	Total, Suradá	..	6,690	7,729	580	7,149	112	
Buguda	Panchabhuthi	1889	3,720	4,320	..	4,320	40	
	Kurcholi	1889	5,120	6,073	252	5,821	40	
	Total, Buguda	..	8,840	10,393	252	10,141	80	
Berhampore.	Ramagoda	1885	6,503	7,955	48	7,907	32	
	Bainamari	1885	3,682	3,750	28	3,722	32	
	South mohiri	1885	3,704	3,418	4	3,414	32	
	Total, Berhampore	..	13,889	15,123	80	15,043	96	
	Total, Ganjám	..	128,641	128,882	2,902	125,980	894	
Vizagapatam.	Peddapalli	1892	9,077	9,077	..	9,077	58	
	Barnakonda reserve	..	15,572	13,517	100	13,417	..	
	Chinnagora	..	1,961	2,383	69	2,314	50	
	Itchapuram	..	225	900	10	890	20	
	Antikonda	..	6,809	6,969	50	6,919	50	
	Palakonda	1897	8,231	8,320	10	8,310	40	
	Kadagandi	..	7,987	11,064	299	10,765	80	
	Do. No. III		511					
	Garugupalli	1899	25	27	..	27	..	
	Arlova	1892	2,473	4,167	1	4,166	36	
	Madalammakonda	..	3,575	3,600	76	3,524	24	
	Karakakonda	..	6,125	9,469	66	9,403	48	
	Pedimikonda	..	3,226	3,311	2	3,309	24	
	Kakarlakonda	..	1,924	1,924	..	1,924	..	
	Kodavatipudi	..	1,504	1,544	..	1,544	..	
	Venkatapuram	..	508	508	..	508	..	
	Boddapalem	1899	380	380	..	380	..	
	Sitakhandi	..	4,320	2,368	..	2,368	12	
	Total, Vizagapatam	..	74,433	79,528	683	78,845	442	
Gódávari—(Special)—Bhadráchalam.	Dummagudem reserved forest.	1887	6,108	6,110	..	6,110	220	
	Arlagudem reserved forest	1888	6,130	6,136	..	6,136	231	
	Gogubaka reserved forest.	1887	1,665	1,666	..	1,666	60	
	Total, Bhadrachalam	..	13,903	13,912	..	13,912	511	
Marrigudem range.	Repak reserved forest	1887	4,000	7,000	105	6,895	151	
	Ramachandram do.	1887	10,300	10,300	..	10,300	236	
	Tatlanka do.	1887	11,935	12,000	135	11,865	239	
	Total, Marrigudem	..	26,235	29,300	240	29,060	626	

Area of Forest Tracts protected from Fire during 1899-1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* **Special—Rekapalli range.**	Mattapalli reserve ..	1887 ..	7,964	9,500	146	9,354	204	
	Total, Gódávari (Special).	..	48,102	52,712	386	52,326	1,341	
(General)— Rajahmundry range.	Devancheruvu reserved forest.	1887 ..	2,051	2,051	..	2,051	31	
	Kovida reserved forest .	1889 ..	1,280	1,280	..	1,280	32	
	Murari do. ..	1889 ..	700	700	..	700	15	
	Sudikonda do. ..	1887 ..	6,120	6,880	1	6,879	21	
	Tirumalayapalem reserved forest.	1887 ..	5,094	5,150	..	5,150	47	
	Mallavaram reserved forest.	1887 ..	7,344	7,600	..	7,600	31	
	Molleru reserved forest..	1887 ..	6,986	8,250	..	8,250	13	
	Lakkonda do ..	1887 ..	11,482	13,104	..	13,104	31	
	Total, Rajahmundry ..	..	41,057	45,015	1	45,014	231	
Peddápuram range.	Thotapalli reserved forest.	1890 ..	2,130	2,150	1	2,149	32	
Yernagúdem range.	Jilugumalli reserved forest.	1898 ..	3,290	3,300	..	3,300	35	
	Beddadavole reserved forest.	1890 ..	14,952	15,000	315	14,685	245	
	Marlagudem reserved forest.	1890 ..	2,096	2,100	..	2,100	75	
	Barrinkalapadu reserved forest.	1898 ..	1,645	1,650	..	1,650	48	
	Total, Yernagudem ..	..	21,983	22,050	315	21,735	403	
Ellore range.	Barrikonda reserved forest.	1888 ..	3,175	3,500	..	3,500	116	
	Bandamcherla reserved forest.	1888 ..	5,200	5,200	..	5,200	70	
	Erraguntapalli reserved forest.	1888 ..	8,640	8,640	..	8,640	121	
	Total, Ellore ..	..	17,015	17,340	..	17,340	307	
	Total, Gódávari (General).	..	82,185	86,555	317	86,238	973	
	Grand Total, Gódávari (Special and General).	..	130,287	139,267	703	138,564	2,314	
Kistna (Special)— Bezwada range.	Kondapalli reserve compartments 2, 5 and 6.	1884-85 ..	5,540	3,760	..	3,760	133	
* Guntúr range	Tadepalli reserve	1889-90 ..	2,305	2,305	3	2,302	13	
	Kondavid reserve	1888-89 ..	12,857	12,857	..	12,857	26	
	Total, Guntúr ..	..	15,162	15,162	3	15,159	39	
* Sattenapalli range.	Venkatayapalem reserve compartments 2 and 3.	1894-95 ..	15,300	15,588	..	15,588	3	
* Palnad range.	Gangalakunta reserve ..	1890-91 ..	24,461	17,659	360	17,299	63	
	Pasvimula reserve ..	1892-93 ..	10,158	10,158	..	10,158	31	
	Total, Palnad ..	..	34,619	27,817	360	27,457	94	
	Total, Kistna (Special) ..	..	70,621	62,327	363	61,964	269	
Kistna (General)— Bezwada range.	(*a*) Kondapalli reserve compartments 10, 13 and 14.	1884-85 ..	..	2,800	..	2,800	..	
	Kottur extension 1 ..	1894-95 ..	700	..	..	..	..	
	Dasullapalem reserve ..	1896-97 ..	1,260	..	..	..	..	
	Total ..	..	1,960	2,800	..	2,800	..	

* It was treated last year as general but now treated as special.
(*a*) It was treated last year as under special protection.

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Kistna (General)—*cont.*	*Northern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Guntur range.	Kariapudi	1896–97 ..	619	..	..	..	..	
Vinukonda range.	Bollapalli reserve compartments 1 to 6.	1885–86 ..	20,700	18,584	42	18,542	..	
	Total, Kistna (General) ..	..	23,279	21,384	42	21,342	..	
	Grand Total, Kistna (Special and General).	..	93,900	83,711	405	83,306	269	
(*d*) Kurnool.	North and South Bairluti blocks.	1887 ..	15,722	17,700	14,452	3,248	220	
	"A" block	1889 ..	4,800	8,000	300	7,700	530	
	South helama	1891 ..	7,350	8,000	319	7,681	746	
	South Chelama addition ..	1894 ..	4,000	4,000	..	4,000	87	
	Gummakonda	1893 ..	5,970	6,000	5,760	240	186	
	Diguvametta	1891 ..	..	800	..	800	92	
	Zangambhavi	1891 ..	140	140	60	80	45	
	Western Veligonda ..	1889 ..	17,776	17,780	..	17,780	110	
	Chelama Improvement felling block.	1895 ..	1,700	2,000	..	2,000	27	
	Fire tracing Railway line and Chelamala-Bairemi Road.	..	..	..	..	..	290	New area added.
	Total, Kurnool ..	..	57,458	64,420	20,891	43,529	2,333	
Bellary—(Special)—Sandur range.	Ramandrug range ..	1883 ..	14,730	14,785	820	13,965	(*a*) 640	
(General)—Adóni range.	Kuppigal	1892–93 ..	460	500	..	500	62	
	Tungabhadra	..	50	84	..	84	21	
Bellary range.	Malapanagudy (*b*) ..	1886–87 ..	1,066	1,066	..	1,066	27	
Sandur range	Tornagal	1898–99 ..	50	50	..	50	27	
	North-East range (*b*) ..	1883 ..	16,010	16,010	3,025	12,985	497	
	Donimalai (*b*)	1883 ..	7,305	9,205	7,000	2,205	232	
Kudligi range.	Chirili (Main) (*c*)	1899–1900.	..	4,380	..	4,380	44	
Harpanahalli range.	Hyrada coupes (*c*) ..	1899–1900.	..	2,616	300	2,316	43	
	Total, Bellary (General).	..	24,941	33,911	10,325	23,586	(*a*) 953	
	Total, (Special and General).	..	(*e*) 39,671	48,696	11,145	37,551	1,593	
Anantapur—(Special) ..	Kojjapalli	1889 ..	342	342	.. *	342	4	* A fire occurred in this reserve but the area burnt being less than half of an acre and the loss being only five palmyra trees, it has been omitted in this statement.
	Anantapur	1889 ..	129	129	..	129	8	
	Muchukota	1884 ..	6,900	7,000	..	7,000	197	
	Durgam	1894 ..	3,640	3,640	..	3,640	145	
	Kottakota	1884 ..	9,956	11,016	143	10,873	473	
	Total, Anantapur (Special).	..	21,057	22,127	143	21,984	827	
(General).	Amagondapalayam ..	1884 ..	15,160	15,360	84	15,276	65	
	Gopidevarapalli	1891 ..	1,881	1,884	..	1,884	33	
	Nyalakota	1890 ..	11,356	12,156	50	12,106	102	
	Dokkalakonda	1898 ..	7,220	7,420	..	7,420	37	
	Guttur, West	1887 ..	2,880	3,880	400	3,480	41	
	Kekathi	1898 ..	1,235	2,470	..	2,470	11	
	Total, Anantapur (General).	..	39,735	43,170	534	42,636	289	
	Total, Special and General.	..	60,792	65,297	677	64,620	1,116—16† = 1,100	
	Total, Northern Circle (Special).	..	151,510	151,951	1,712	150,239	3,077	
	Total, Northern Circle (General).	..	430,672	457,850	35,694	422,156	5,868	
	Grand Total, Northern Circle.	..	585,182	609,801	37,406	572,395	8,945	

(*a*) Includes the pay of fire patrols. (*b*) These were shown in previous years as being under special protection.
(*c*) Added during the year.
(*d*) East and West Ramallakota reserves and three other blocks which were shown in the last year's return are now dropped out as apparently they were not protected during the year.
(*e*) Excludes Ganekal in the Adóni range which was shown under general protection last year.
† Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area actually attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Cuddapah ..	Kodur reserve ..	1874 ..	6,450	7,440	2,325	5,115	219	
	Settigunta do. ..	1871 ..	8,608	8,960	1,650	7,310	292	
	Tunukonda do. ..	1874 ..	1,048	1,048	..	1,048	64	
	Seshachalam do. ..	1867-73-90	170,207	176,200	22,729	153,471	1,766	
	Vattalur do. ..	1887 ..	2,880	2,880	..	2,880	94	
	Nigadi do. ..	1881 ..	14,000	14,000	..	14,000	117	
	Kondakemerla do. ..	..	3,700	3,700	..	3,700	47	
	Tummalamala do. ..	1890 ..	8,460	8,500	..	8,500	68	
	Kokanti do. ..	1881 ..	2,000	2,000	..	2,000	18	
	Tsadukonda do. ..	..	2,200	2,200	..	2,200	18	
	Madugumala do. ..	..	1,400	1,400	..	1,400	18	
	Horsleykonda do. ..	..	15,500	15,500	..	15,500	117	
	Nurukupalakonda reserve.	..	3,600	3,600	..	3,600	60	
	Yellutla reserve	..	3,500	3,500	..	3,500	13	
	Ankalammakonda reserve.	..	2,000	2,000	..	2,000	60	
	Gorantlapalli reserve ..	..	4,000	4,000	..	4,000	17	
	† Lankamalais do. ..	1883 ..	6,340	7,000	28	6,972	833	
	Mamillapalli do. ..	1883–88 ..	5,000	5,000	..	5,000	123	
	Palkondas do. ..	1890 ..	1,000	1,000	..	1,000	135	
	Guvvalacheruvu do. ..	1883 ..	7,600	7,600	..	7,600	105	
	Rekkalukonda do. ..	1887 ..	1,200	1,200	..	1.200	18	
	Urakonda do. ..	1881 ..	8,960	8,960	..	8,960	17	
	Gadikota do. ..	1883 ..	10,760	12,480	..	12,480	156	
	Sibyala do. ..	1887 ..	3,500	3,500	..	3,500	44	
	Kanamalapalli do. ..	..	4,149	4,435	..	4,435	109	
	Tsundupalli do. ..	..	3,000	3,000	..	3,000	22	
	† Kothakota Dasaripalle reserve.	1883—85—89—91.	50,740	51,200	3,992	47,208	751	
	Kondasunkesula and Diguva Kalwasala reserve.	1881 ..	858	858	..	858	20	
	Dhodiam-Morapandi reserve.	..	1,345	1,345	..	1,345	20	
	Kodur Malamidi-Kampiladinne reserve.	..	1,366	1,366	..	1,366	20	
	Gandillah reserve ..	..	372	372	..	372	20	
	Zamavaram-Muddanur reserve.	..	200	200	..	200	20	
	Kosinipalli-Kalamella reserve.	..	730	730	..	730	20	
	Aratipalle-Peddadudyala reserve.	..	750	750	..	750	20	
	Niduguvvi reserve ..	..	696	696	..	696	20	
	† Yerrakonda & extension.	..	29,294	32,000	1,600	30,400	111	
	Total, General ..	..	387,413	400,620	32,324	368,296	5,572	
Nellore ..	Udayagiri-Veligonda in Udayagiri range.	1883 ..	60,000	60,000	120	59,880	337	
	Rapur-Veligonda in Rapur range.	1883 ..	30,720	30,720	1,000	29,720	252	
	Kanigiri-Veligonda in Kanigiri.	1883 ..	25,000	25,000	..	25,000	80	
	Total, General ..	..	115,720	115,720	1,120	114,600	669 +(a)514	(a) Added as per Accountant-General's audited figures under A (VIII). The Collector has not explained the variation.
* Chingleput	Kambakkam reserved forest.	1883-84 ..	14,951	14,951	..	14,951	245	
	Nagalapuram reserved forest.	1883–84 ..	8,345	8,345	..	8,345	141	
	Total ..	..	23,296	23,296	..	23,296	386 +(b)157	(b) A sum of Rs. 157 was paid during the year 1899-1900 being the pay of Fire patrols due to the previous year 1898–99.
North Arcot. Special protection— Chittoor ..	Irala	1888 ..	15,621	15,622	345	15,277	186	
	Chittapara	1888 ..	4,250	4,250	..	4,250	50	
	Mahimodalam	1888 ..	2,528	2,528	..	2,528	17	
	Cherlopalli	1884 ..	1,296	1,296	..	1,296	18	
	Pachigunta	1888 ..	1,801	1,800	4	1,796	28	
	Paradarami	1880 ..	13,402	13,402	..	13,402	71	
	Virisettipalli	1888 ..	7,287	7,287	..	7,287	39	
	Puthalpet	1891 ..	2,432	2,442	..	2,442	31	
	Parappumalai	1899 ..	2,227	2,227	..	2,227	52	
	Tavanampalli	1899 ..	(c) 1,862	1,862	..	1,862	63	(c) Correct area.
	Total, Chittoor range ..	..	52,706	52,716	349	52,367	555	

* Pulrambakkam which was shown under special protection is altogether omitted from the list. The omission has not been explained.

† This area was shown under special protection last year.

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area actually protected up to 30th June 1900.	During dry season of 1900.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
North Arcot—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special protection—*cont.* Chendragiri.	Napier	1880	8,380	8,380	..	8,380	238	
	Mamandur	1874	1,776	1,776	..	1,776	74	
	Do. extension	1888	8,000	8,000	1	7,999	196	
	Mungilpattur	1890	22,700	22,700	17	22,683	101	
	Panapakam	1880	6,400	6,400	225	6,175	138	
	Chamala	1880	9,600	9,600	86	9,514	204	
	Nagapatla	1890	8,266	8,266	66	8,200	108	
	Tirupati hill	1888	15,910	16,000	1,166	14,834	198	
	Do. extension	1891	5,585	5,840	30	5,810	20	
	Panapakam extension	1892	9,730	9,730	..	9,730	..	
	Pudipatlabylu	1880	2,560	2,560	20	2,540	..	
	Damalcherla	..	2,417	2,417	..	2,417	..	
	Total, Chendragiri	..	101,324	101,669	1,611	100,058	1,277	
Palmanér	Peddanaigdrug	1880	14,419	14,419	..	14,419	41	
	Mordana	1884	11,655	11,655	..	11,655	65	
	Charagal	1888	18,285	18,285	..	18,285	110	
	Peddur	1880	16,506	16,526	160	16,366	73	
	Naickaneri	1880	6,840	6,840	300	6,540	59	
	Musilimadugu	1884	5,542	5,542	950	4,592	117	
	Palmanér	1892	1,791	6,452	200	6,252	49	
	Total, Palmanér	..	75,038	79,719	1,610	78,109	514	
Gudiyáttam.	Panamadangi	1887	10,515	10,515	..	10,515	33	
	Naickaneri	1884	5,179	5,154	200	4,954	32	
	Mordana	1884	12,691	12,159	22	12,137	41	
	Ambur drug	1884	10,139	10,139	60	10,079	85	
	Kampasamudram	1893	1,415	1,415	..	1,415	..	
	Naickaneri extension	1887	1,543	1,568	..	1,568	20	
	Mordana do.	1891	9,044	9,094	..	9,094	25	
	Gundlapalli	1894	7,354	7,354	25	7,329	36	
	Do. extension	1894	928	928	25	903	5	
	Sayanagunta	1891	6,400	6,400	..	6,400	55	
	Do. extension	1892	4,395	4,395	..	4,395	..	
	Kallapadi	1894	7,283	6,945	..	6,945	..	
	Kanjanur	1893	1,549	1,549	6	1,543	..	
	Paradarami extension	1889	1,888	1,888	..	1,888	..	
	Karapet	1892	7,918	8,333	300	8,033	112	
	Total, Gudiyáttam	..	88,241	87,836	638	87,198	444	
Vellore	Arasampattu	1887	17,890	17,890	695	17,195	122	
	Ambur fuel	1879	5,453	5,453	..	5,453	77	
	Vellakal	1889	5,037	5,037	..	5,037	110	
	Ambur block	1887	27,878	27,878	140	27,738	238	
	Athiyur	1889	4,800	4,800	60	4,740	28	
	Palamadi	1880	8,060	8,160	324	7,836	147	
	Thellai (Vellore portion)	1891	1,330	1,330	..	1,330	56	
	Karuthamalai	1882	20,486	20,486	..	20,486	193	
	Kylasagiri	1892	2,514	2,534	30	2,504	115	
	Kaniambadi	1892	5,472	5,472	80	5,392	..	
	Nellimalai	1892	2,797	2,797	..	2,797	..	
	Sanankuppam	1893	13,843	13,843	15	13,828	13	
	Parnamalai	1892	* 7,078	7,078	..	7,078	..	* This was entered wrongly as 2,078 acres in the previous return.
	Vellore	1892	2,408	2,413	115	2,298	..	
	Pallikonda	1892	3,898	3,898	..	3,898	..	
	Appukal	1892	800	800	10	790	20	
	Total, Vellore	..	129,744	129,869	1,469	128,400	1,119	
Pólúr	Karnatighur	1881	7,270	7,270	..	7,270	242	
	Malayalam	1887	28,610	28,615	150	28,465	167	
	Mulakad	1890	15,724	15,744	220	15,524	155	
	Santavasal	1890	9,670	9,670	60	9,610	60	
	Periyamalai	1892	6,960	6,970	40	6,930	65	
	Paruvadamalai	1892	5,779	5,779	..	5,779	41	
	Thellai (Pólúr portion)	1891	14,862	14,862	..	14,862	20	
	Vellimalai	1893	2,003	2,003	30	1,973	28	
	Kelur	1884	2,989	2,989	..	2,989	8	
	Virappanur	1886	31,469	31,469	..	31,469	63	
	Total, Pólúr	..	125,336	125,371	500	124,871	849	

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Arcot-Wallajah.	Banavaram	1880 ..	1,051	1,021	..	1,021	23	
	Punganur	1884 ..	11,362	13,498	590	12,908	111	
	Ammur	1884 ..	4,939	5,139	..	5,139	64	
	Total, Arcot-Wallajah ..	..	17,352	19,658	590	19,068	198	
	Total, Special, North Arcot.	..	589,741	596,838	6,767	590,071	4,956	
General.								
Chittoor ..	Kinatipalle	1884 ..	1,417	1,417	..	1,417	..	
	Santhapet	1882 ..	2,096	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram ..	1891 ..	1,242	1,172	..	1,172	..	
	Vadilatata	1891 ..	2,495	2,495	..	2,495	..	
	Tavanampalli	1891 ..	..	..	..	..	..	Transferred to special protection.
	Chittoor	1882 ..	300	385	..	385	..	
	Bommasamudram extension.	1892 ..	1,312	1,312	..	1,312	..	
	Kinatipalli extension ..	1893 ..	1,500	995	..	995	..	
	Basavapalle do. ..	1894 ..	830	830	..	830	..	
	Reddigunta	1893 ..	2,479	2,479	..	2,479	..	
	Chase's hill	1893 ..	1,773	1,773	..	1,773	..	
	Irala extension	1893 ..	* 2,650	2,650	..	2,650	..	
	Penumur	1891 ..	1,082	1,082	..	1,082	..	
	Parappumalai	1893 ..	..	..	..	..	..	Do.
	Penamur extension ..	1893 ..	3,392	3,392	..	3,392	..	
	Santhapet do. ..	1893 ..	477	482	..	482	..	
	Total, Chittoor ..	..	24,829	24,396	..	24,396	..	
Chendragiri.	Chendragiri hill	1892 ..	983	983	15	968	..	
	Damalcherla	1892 ..	..	..	..	..	..	Do.
	Sanambatla	1892 ..	4,994	5,000	80	4,920	22	
	Pakala A and B	1894 ..	2,170	2,170	..	2,170	..	
	Total, Chendragiri ..	..	8,147	8,153	95	8,058	22	
Palmanér ..	Basavareddipalli	1884 ..	5,952	5,952	..	5,952	..	
	Palmanér tope	1884 ..	2	2	..	2	..	
	Nagamangalam tope ..	1884 ..	20	20	..	20	..	
	Muduguvaripalli	1884 ..	4	4	..	4	..	
	Venkatagiri Kota tope ..	1884 ..	9	9	..	9	..	
	Baireddipalli tope ..	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	..	1,568	..	
	Jangalapalle	1884 ..	3,034	3,034	..	3,029	..	
	Pattikonda	1893 ..	5,190	5,190	5	5,190	..	
	Peddur extension	1895 ..	9,550	9,550	..	9,550	..	
	Musalimadugu extension.	1895 ..	1,849	1,829	..	1,829	..	
	Basavareddipalli A ..	1895 ..	1,760	1,718	..	1,718	..	
	Do. B ..	1895 ..	5,758	5,758	..	5,758	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,705	..	7,705	..	
	Veerlabunda	1895 ..	2,611	2,611	..	2,611	..	
	Thotakanama	1895 ..	5,498	5,498	..	5,498	..	
	Total, Palmanér ..	..	52,543	52,481	5	52,476	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram do. ..	1884 ..	260	260	..	260	..	
	Cheynur	1884 ..	130	130	..	130	..	
	Ammundi	1884 ..	160	160	..	160	..	
	Tandavaroyagunta ..	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,822	6,822	..	6,822	..	
	Do. extension A.	1893 ..	6,822	7,162	..	7,162	..	
	Bommanayakan Palaiyam.	1894 ..	907	912	8	904	..	
	Total, Gudiyáttam ..	..	15,664	16,009	8	16,001	..	

* Revised figure reported by the Collector.

Area of Forest Tracts protected from Fire during 1899-1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
North Arcot—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General Protection—*cont.* Pólúr	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patrakad	1881 ..	25,254	25,254	..	25,254	..	
	Puttur	1879 ..	18,458	18,458	..	18,458	..	
	Thapalur	1884 ..	1,504	1,504	..	1,504	..	
	Alialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	260	331	..	331	..	
	Total, Pólúr ..	..	55,528	55,599	..	55,599	..	
Vellore ..	Ambur tope	1884 ..	5	6	..	6	..	
	Vellore	1892 ..	..	..	..	..	..	Transferred to Special protection.
	Total, Vellore ..	..	5	6	..	6	..	
Wandiwash.	Brahmanamateri	1884 ..	635	635	..	635	..	
	Kodiyalam	1884 ..	125	125	..	125	..	
	Badur	1884 ..	783	834	..	834	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	707	707	..	707	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	769	1,656	..	1,656	..	
	Nedungal	1884 ..	3,280	2,298	..	2,298	..	
	Nedungunam	1884 ..	1,697	1,697	..	1,697	..	
	Nambedu extensions A, B and C	1895 ..	327	327	..	327	..	
	Total, Wandiwash ..	..	10,759	10,715	..	10,715	..	
Arcot ..	Kilminnal plantation ..	1884 ..	150	150	..	150	..	
	Saunleri	1884 ..	1,675	1,675	..	1,675	..	
	Sathur	1884 ..	750	750	..	750	..	
	Tandappanthangal ..	1884 ..	1,099	1,099	..	1,099	..	
	Enadanadi	1884 ..	1 565	1,565	..	1,565	..	
	Solavaram	1884 ..	1,143	1,143	..	1,143	..	
	Do. extension ..	1895 ..	874	874	..	874	..	
	Tandappanthangal extension	1895 ..	310	310	..	310	..	
	Total, Arcot ..	..	7,566	7,566	..	7,566	..	
Wallajah ..	Vannivedu plantation ..	1884 ..	30	39	..	39	..	
	Arkonam tope	1884 ..	37	37	..	37	..	
	Gudulur	1884 ..	535	535	..	535	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Arkonam Head Assistant Collector's compound ..	1884 ..	4	4	..	4	..	
	Total, Wallajah ..	..	3,078	3,087	..	3,087	..	
	Total, General Protection.	..	178,120	178,012	108	177,904	22	
	Total, Special and General, North Arcot	..	767,861	774,850	6,875	767,975	† 4,978	† Amount spent on fire patrols .. RS. 2,850; Amount spent on fire-line clearing, 628 miles .. .. 2,118; Total .. 4,978
South Arcot—Special—Tiruvannámalai.	Annamalai reserved forest.	1878 ..	2,640	2,640	..	2,640	147	
	Kavuthi reserved forest ..	1878 ..	7,085	7,085	* 250	6,835	100	
	Total, Tiruvannámalai ..	..	9,725	9,725	..	9,475	247	
Kallakurichi ..	Takarai reserved forest ..	1883-84 ..	14,320	14,338	8	14,330	142	
	Total, Special, South Arcot.	..	24,045	24,063	* 258	23,805	389	
General—Tiruvannámalai.	Tenmalai reserved forest.	1877 ..	31,601	31,706	* 554 2,738	28,414	258	
	Nallapet reserved forest.	1889 ..	5,094	5,094	..	5,094		
	Pelamarudur	1889 ..	5,075	5,075	..	5,075		
	Paramanandal	1895 ..	1,517	1,517	406	1,111		
	Mudanai	1898 ..	7,046	7,046	29	7,017		
	Valasamalai	1883-84 ..	12,369	12,369	1,035	11,334	102	
	Nattampalli	1889 ..	7,270	7,270	22	7,248	90	

* Indicates fires that occurred during the dry season of 1899.

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

Range.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1900. Area attempted to be protected.	During dry season of 1900. Fires.	During dry season of 1900. Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Tiruvanna-malai—*cont.*	Perunkolattur - Swamimalai.	1883–84	9,302	9,312	* 64	9,248	89	
	Chinnasamudram	1900	..	2,842	* 16	2,826	10	
	Damarakadu	1900	..	5,950	* 560	5,390	16	
	Total, General, South Arcot	..	79,274	88,181	5,424	82,757	565	
	Total, Special and General South Arcot.	..	103,319	112,244	5,682	106,562	954	
General. Salem, West.	Vadugampatti block No. 1.	1881	1,976	1,976	..	1,976	87	
	Morur block No. 2	1881	799	799	..	799	41	
	Ammaneri block No. 8	1882	252	252	..	252	28	
	Pelapallikombai block No. 7.	1882	981	981	..	981	8	
	Kanjeri	1882	1,929	1,929	..	1,929	..	
	Pannikaradu	1882	2,645	2,645	..	2,645	..	
	Karunattuparai	1883	837	837	..	837	2	
	Total, Salem, West	..	9,419	9,419	..	9,419	166	
Uttankarai	Harur	1882	1,176	1,176	..	1,176	51	
	Mallapuram	1882	1,952	1,952	..	1,952	50	
	Kuriappukombai	1897	450	450	..	450	..	
	Kouramalai coupes	1898	609	609	..	609	..	
	Total, Uttankarai	..	4,187	4,187	..	4,187	101	
Tiruppattúr.	Alangayam	1891	2,082	2,082	..	2,082	38	
	Narasingapuram	1893	2,000	1,595	..	1,595	47	
	Kalarapatti	1895	1,840	1,840	..	1,840	35	
	Vellakuttai	1896	620	620	..	620	7	
	Punkulam coupes	1895–96	1,000	700	..	700	26	
	Andiappanur	1894	1,100	1,500	..	1,500	36	
	Mambakkam	1894	900	600	..	600	24	
	Govindapuram	1895	1,100	1,755	..	1,755	54	
	Madakadappa	1896	313	313	..	313	..	
	Singarapet coupe and S.P. block.	1881	2,000	2,991	80	2,911	96	
	Kottur block (Elagiri)	1885	1,200	1,200	..	1,200	37	
	Onnakarai	1897	300	1,500	..	1,500	13	
	Kallavi	..	..	450	..	450*	..	
	Burgur block	1892	2,000	2,000	..	2,000	32	
	Kottur block	1883	2,350	2,350	..	2,350	70	
	Neralkottai	1893	1,227	1,227	..	1,227	34	
	Maharajagadai	1896	1,000	1,275	..	1,275	35	
	Thogarapalli	1884	750	750	..	750	29	
	Total, Tiruppattúr	..	21,782	24,748	80	24,668	613	
Hosur	Melagiri block	1885	5,411	5,411	10	5,401	36	
	Kanavoikottapalli block XVII.	1885	742	742	400	342	8	
	Gulhatti S. P. block	1885	3,248	3,248	..	3,248	18	
	Manchi block	1885	3,155	3,155	..	3,155	..	
	Kanana. Nagasundram-Tholuvabetta reserved forest.	1885	216	216	200	16	9	
	Javalagiri S. P. block	1899	..	..	..	..	16	
	Noganur (coupes Nos. 1 to 6).	1899	..	..	..	..	8	
	Total, Hosur	..	12,772	12,772	610	12,162	95	
Salem, East.	Kurumbapatti coupe	1897	* 1,872	4,000	30	3,970	170	* Revised figures.
	Kapputtu coupe	1897	* 610	1,000	15	985		
	Total, Salem, East	..	2,482	5,000	45	4,955	170	
	Total Salem, general	..	50,642	56,126	735	55,391	1,145 + 123	

* Indicates fires that occurred during the dry season of 1899.
† Added as per Accountant-General's audited figures under A (VIII).

Area of Forest Tracts protected from Fire during 1899-1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area actually protected during the previous year.	During dry season of 1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS. A. P.	
Trichinopoly—Musiri Range.	Sengattupatti	1885-86 ..	2,980	3,000	75	2,925		These blocks were in former years protected by fire lines and patrols. Since 1893-94 no money has been spent on fire lines as the Conservator and District Forest-officer considered them unnecessary.
	Manmalai	1887-88 ..	5,980	6,000	100	5,900		
	T. Kanapadi	1887-88 ..	12,000	12,000	200	11,800		
	Karuppan Kadu Thittu ..	1887-88 ..	2,000	2,000	..	2,000		
	Melur	1885-86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887-88 ..	10,000	10,000	90	9,910		
	Palamalai	1888-89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889-90 ..	1,495	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889-90 ..	2,560	2,560	..	2,560	* 139 0 0	
	Total, Musiri ..	..	50,015	50,060	465	49,595		
Perambalúr Range.	Manalodai	1885-86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885-86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889-90 ..	1,600	1,600		1,600		
	Puliyur	1890-91 ..	10,000	10,000	..	10,000		
	Sengathur	1890-91 ..	10,000	10,000	..	10,000		
	Total, Perambalúr ..	..	32,600	32,600	..	32,600	..	
	Total, Trichinopoly ..	..	82,615	82,660	465	82,195	139 0 0	
Tanjore ..	Tanjore			*Nil.*				
	Total, Special, Central Circle.	..	613,786	620,901	7,025	613,876	5,345 0 0	
	Total, General, Central Circle.	..	917,080	944,615	40,176	904,439	9,292 0 0	
	Grand Total, Central Circle.	..	1,530,866	1,565,516	47,201	1,518,315	14,637 0 0	
	Southern Circle.							
South Canara General—† Coondapoor Range.	Sarapanamane	1886-87 ..	1,238	1,238	..	1,238	41 0 0	
	Savantagudde	1896-97 ..						
	Honnukodlu	1894-95 ..	507	507	..	507	29 0 0	
	Herkur	1893-94 ..	780	780	..	730	18 0 0	
	Kadike	1895-96 ..	2,767	2,767	105	2,662	31 0 0	
	Chittur	1895-96 ..	2,237	2,237	19	2,218	33 0 0	
	Karnigudde	1895-96 ..	1,190	1,190	..	1,190	32 0 0	
	Darlegudde	1893-94 ..	141	141	..	141	7 0 0	
	Herur	1893-94 ..	2,472	2,472	45	2,427	38 0 0	
	Talabur Ane	1895-96 ..	560	560	15	545	31 0 0	
	Kasanakatte	1893-94 ..	180	180	2	178	15 0 0	
	Mudaregudde	1893-94 ..	407	407	..	407	14 0 0	
	Abbigudde	1897-98 ..	1,434	1,434	..	1,434	36 0 0	
	Baindur	1897-98 ..	5,964	5,964	105	5,859	12 0 0	
	Sabladi	1884-85 ..	208	208	..	208	6 0 0	
	Total, Coondapoor ..	..	20,085	20,085	291	19,794	343 0 0	
Udipi Range.	Chinkramale	1885-86 ..	2,579	2,579	1,600	979	45 0 0	
	Pilarkan	1883-84 ..	320	..	..	..	..	
	Manaje	1886-87 ..	423	423	..	423	11 0 0	
	Jarvattu	1894-95 ..	417	417	60	357	6 0 0	
	Mensinkan	1896-97 ..	635	635	..	635	6 0 0	
	Jatkatmale	1897-98 ..	1,500	1,500	400	1,100	30 0 0	
	Matkulgudde	1897-98 ..	259	259	..	259	4 0 0	
	Tenkabola	1886-87 ..	1,979	1,979	200	1,779	29 0 0	
	Mavinakodlu	1895-96 ..	1,900	1,900	300	1,600	35 0 0	
	Hale Someshwar	1895-96 ..	1,294	1,294	..	1,294	10 0 0	
	Huvakladi	1895-96 ..	639	639	1,000	3,640	30 0 0	
	Portion of Someshwar ..	1899-1900.	..	4,001				
	Durgamale	1897-98 ..	1,570	1,570	500	1,070	34 0 0	
	Total, Udipi ..	..	13,515	17,196	4,060	13,136	240 0 0	
Mangalore Range.	Hospet	1889-90 ..	342	342	75	267	24	
	Todar	1889-90 ..	366	366	..	366	23	
	Mujimale	1894-95 ..	2,495	2,495	..	2,495	38	
	Chembugudde	1884-85 ..	75	75	..	75	..	
	Kuthiar	1884-85 ..	25	25	..	25	..	
	Poitaje and Kayerpalla ..	1885-86 ..	90	90	..	90	..	
	Naninje	1897-98 ..	1,459	1,459	230	1,229	10	
	Total, Mangalore ..	..	4,852	4,552	305	4,547	95	

* This sum represents the amount paid to Malayalees on the Pachamalais with whom agreements were entered into for keeping the lines clear and preserving the forests safe from fire.

† In his report, the Collector states that 69 miles were under *special* and 38 miles under *general* protection. As no details are furnished as to what areas were specially and what were generally protected the whole area is treated as having been under general protection.

Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1899–1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
South Canara—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Uppinangadi Range.	Darmasthala	1887–88 ..	4,545	4,545	1,920	2,625	93	
Puttur Range.	Parappa	1895–96 ..	2,410	2,410	100	2,310	62	
	Veerakamba	1897–98 ..	1,683	1,683	400	1,283	15	
	Kalanjimale	1898–99 ..	7,680	7,680	450	7,230	28	
	Pumale	1897–98 ..	..	7,680	400	7,280	93	
	Kankamajal	1899–1900.	..	2,252	..	2,252	16	
	Total, Puttur ..	..	11,773	21,705	1,850	20,355	214	
	Total, General, South Canara.	..	54,770	68,383	7,926	60,457	985	
North Malabar. Special—								
Begur Range.	Begur	1882–83 ..	2,200	4,100	2	4,098	..	
Chedleth ..	Kurchiyat	1887–88 ..	..	6,025	30	5,995	..	
Kanoth ..	Kanoth teak, bamboo, &c., plantations	1894–95 ..	264	264	..	264	..	
	Total, Special ..	..	2,464	10,389	32	10,357	* 1,251	* As per Accountant-General's figures. The Collector has not reported the cost nor has he explained the omission. The whole amount has been debited to special protection.
General—								
Begur ..	Tirunelli	1894–95 ..	5,000	5,474	5,474	..	..	
	Begur	1882–83 ..	..	12,000	12,000	..	..	
	Total, Begur ..	..	5,000	17,474	17,474	..	..	
Chedaleth.	Kurchiyat	1887–88 ..	..	12,000	12,000	..	..	
	Mavanhuila	1894–95 ..	..	12,500	12,000	500	..	
	Rampur	1894–95 ..	..	19,000	12,500	6,500	..	
	Total, Chedaleth ..	..	..	43,500	36,500	7,000	..	
Kanoth ..	Kanoth teak, &c., plantations.	1894–95 ..	6,400	6,400	..	6,400	..	
	Total, General ..	..	11,400	67,374	53,974	13,400	..	
	Total, Special and General, North Malabar.	..	13,864	77,763	54,006	23,757	..	
South Malabar. Special—								
Nilambur Range.	Amarampalem reserve ..	1860–61 ..	468	468	..	468	84	
	Chathamporai reserve ..	1872–73 ..	700	700	..	700	141	
	Teak plantations	1842–43 ..	3,517	3,517	..	3,517	702	
	Edakode natural forests ..	1898–99 ..	50	50	..	50	127	
	Arimbra cuttu mala natural forest.	..	..	300	40	260	† ..	† The cost incurred during the season is included in figure Rs. 702 shown against Teak plantations.
	Total, Nilambur ..	..	4,735	5,035	40	4,995	1,054	
Amarampalam Range.	Karimpaya reserve ..	1884–85 ..	4,035	4,115	50	‡ 4,065	197	‡ Includes 240 acres of teak plantations.
	Nellikutta do. ..	1883–84 ..	1,824	1,824	..	1,824	124	
	New Amarampalam reserve	1889–90 ..	75,000	75,000	..	75,000	198	
	Total, Amarampalam ..	..	80,859	80,939	50	80,889	519	
Palghat Range.	Walayar reserve ..	1873–74 ..	3,017	3,017	..	3,017	469	
	Chenat Nair do. ..	1884–85 ..	15,197	15,203	15	15,188	452	
	Tamparatti pottai reserve.	1891–92 ..	..	..	..	..	..	
	Dhoni reserve	1898–99 ..	45	45	..	45	15	
	Total, Palghat ..	..	18,259	18,265	15	18,250	936	
	Total, Special, South Malabar.	..	103,853	104,239	105	104,134	2,509	

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1899–1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris.	Mudumalai teak plantation.	1883 ..	25	25	..	25		
	Benne teak plantation ..	1886 ..	..	40	..	40		
	Benne experimental block.	1893 ..	179	179	..	179	700	
	Tuckles of 1896 and 1899.	1899 ..		10	..	10		
	Marigudi block	1888 ..	2,781	2,781	775	2,006		
	Marigudi block Nos. IV and V.	1898 ..	2,686	2,686	370	2,316		
	Moyar reserved forest east.	1886 ..	3,550	4,000	1,060	2,940		
	Northernhay Sandalwood plantation.	1883 ..	180	22	..	22	385	
	Sandalwood tracts in Sigur reserved forest.	1899 ..	..	1,240	..	1,240		
	Chemmanguli	1883 ..	25	25	..	25		
	Arvakal	1883 ..	9	9	..	9		
	Governor's shola No. I ..	1883 ..	25	25	..	25		
	Do. No. II ..	1883 ..	30	30	..	30		
	Andi	1883 ..	17	17	..	17		
	Upatti	1883 ..	12	12	..	12		
	Sheffield	1883 ..	25	25	..	25		
	Culli	1883 ..	17	17	..	17	342	
	Chowghat Culli	1883 ..	26	26	..	26		
Special ..	Madana	1883 ..	8	8	..	8		
	Baikie	..	50	50	..	50		
	Arambi	..	429	430	2	428		
	Marlimund..	..	11	11	..	11		
	Cairn hill	..	405	405	..	405		
	Muthanad	1898 ..	80	80	..	80		
	Kallar reserve	1883 ..	911	919	37	882		
	Burliyar	1883 ..	178	178	..	178		
	Ghaut reserve	1883 ..	242	247	..	247		
	Coonoor peak	1883 ..	259	259	..	259		
	Bandishola	1883 ..	111	111	..	111		
	Sim's park block No. I ..	1883 ..	48	48	..	48		
	Blackbridge	1883 ..	40	40	5	35		
	Little Kallia	1883 ..	10	10	..	10	725	
	Newman	1883 ..	34	35	..	35		
	Kallia	1883 ..	95	60	..	60		
	Long wood and addition..	1885 ..	350	350	2	348		
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640		
	Bleak house	1899 ..	..	57	..	57		
	Spring field	1899 ..	..	30	1	29		
	Sim's park No. II. ..	1899 ..	..	36	..	36		
	Total, Special ..	..	13,488	15,173	2,252	12,921	2,152	
	Kadkupa	1886 ..	1,622	1,622	..	1,622		
	Ulnad	..	839	839	..	839		
	Mukurti	1888 ..	1,324	1,324	..	1,324		
	Kurumund	1883 ..	1,552	1,552	..	1,552		
	Kundah	1885 ..	42,505	42,505	..	42,505		
	Pichelbettu	1886 ..	1,668	1,668	..	1,668		
	Nanjanad	1893 ..	914	914	..	914		
	Karpakan	1886 ..	391	391	..	391		
	Vellingiri	1886 ..	643	643	..	643		
	Pykara	1883 ..	844	844	..	844		
	Yemmaikal	1883 ..	465	465	..	465		
General fire protection.	Hiriashige	1887 ..	3,026	3,026	..	3,026	317	
	Thiasholai	1885 ..	1,551	1,551	..	1,551		
	Muthanad	1883 ..	340	340	..	340		
	Bikkapathi	1894 ..	1,945	1,945	..	1,945		
	Naduvattam	1885 ..	3,411	3,411	..	3,411		
	Ouchterlony	1886 ..	973	973	..	973		
	Nilgiri Peak	..	5,962	5,962	..	5,962		
	Chinnacoonoor	1894 ..	14	14	..	14		
	Kengal	..	14	14	..	14		
	Kadanad	1895 ..	40	40	..	40		
	Huppatti	..	491	491	..	491		
	Kaguchi	..	475	475	..	475		

* Devashola plantation, an area of 4 acres is omitted from the list and its omission has not been explained by the Collector.

Area of Forest Tracts protected from Fire during 1899–1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1899–1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
The Nilgiris—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General fire protection.	Iduhatti	..	15	15	..	15		
	Butheri shola	1884 ..	34	34	..	34		
	Dodabetta	..	758	758	..	758		
	Jakuntha	..	373	373	..	373		
	Honnathalai	..	320	320	..	320		
	Keraiyada	..	276	276	..	276		
	Kengodu	..	451	451	..	451	317	
	Brookland	..	177	177	..	177		
	Lovedale east	..	127	127	..	127		
	Benhope reserve	1885 ..	75	75	..	75		
	Black bridge	1883 ..	350	350	..	350		
	Devashola north and south.	1883 ..	211	211	..	211		
	Total, General ..	..	74,176	74,176	..	74,176	317	
	Total, Nilgiris Special and General.	..	87,664	89,349	2,252	87,097	2,469 + * 4	
Coimbatore (North). Special—	Hassanur sandalwood compartment—Satyamangalam Range.	1895–96 ..	2,097	2,097	1	2,096	100	
	Bylur sandalwood compartment — Kollegal Range.	1895–96 ..	2,471	2,471	745	1,726	157	
	Odiarpalayam sandalwood compartment– Kollegal Range.	1895–96 ..	1,500	1,500	..	1,500	100	
	Jadathadihulla sandalwood compartment — Kollegal Range.	1895–96 ..	176	176	..	176	58	
	Badagalli sandalwood compartment — Talamalai Range.	1896–97 ..	685	685	19	666	88	
	Talamalai sandalwood compartment — Talamalai Range.	1897–98 ..	589	589	7	582	101	
	Total ..	..	7,518	7,518	772	6,746	604	
Coimbatore (South)— Special protection.								
Tunacadavu.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882–83 ..	25,974	26,374	10,280	16,094	890	
Pollachi ..	Punachi reserve No. II ..	1888–89 ..	2,880	2,880	35	2,845	354	
Udamalpet ..	Dhali block ..	1883–84 ..	485	485	..	485	66	
Mettupalayam.	Singaratope W. C. of Odanthorai block.	1891–92 ..	777	777	..	777	132	
Bolampatti (Block I).	Sholakarai	1883–84 ..	1,157	1,157	..	1,157		
	Thenkaradu		393	393	..	393		
	Keerapatti		2,260	2,260	..	2,260		
	Oratti		1,136	1,136	..	1,136		
	Kuchimalai		1,545	1,545	13	1,532	694	
Bolampatti (Block II).	Noyel	1883–84 ..	10,920	10,920	..	10,920		
	Velliyangiri		5,240	5,240	67	5,173		
	Varadimudi		7,960	7,960	..	7,960		
	Kanavarai		13,880	13,880	..	13,880		
	Total, Special ..	..	74,607	75,007	10,395	64,612	2,136	
General protection—								
Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..	†256,537	256,544	..	254,513	..	
Pollachi ..	Punachi reserve No. II.	..			1			
Udamalpet ..	Amravati ,, ,, III.	..			..			
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..			2,030			

* Added as per Accountant-General's audited figures under A (viii).
† The variation from the last year's closing balance has not been explained by the Collector.

Area of Forest Tracts protected from Fire during 1899-1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1899-1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Coimbatore (South)—*cont.* General—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Bollampatti.	Bolampatti reserve No. I.	..			..			
	Do. ,, ,, II.	..			..			
	Do. ,, ,, III.	..			16			
Bolampatti and Méttupálayam.	Tadayam ,, ,, IV.	..	74,694	74,694	37	74,541	..	
Méttupálaiyam.	Gopanari ,, ,, V.	..			100			
	Kempampalayam reserve No. VI.	..			..			
	Nellithorai reserve No. VII.	..			..			
Bolampatti..	Small Sholakarai reserve No. X.	..			..			
	Sankararayapuram ..	..	..	97	..	97	..	
Méttupálaiyam.	Odanthorai reserve No VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai	..	..	1,882	..	1,882	..	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
	Total, General ..	..	343,278	345,264	2,184	343,080	..	
	Grand, total Special and General.	..	417,885	420,271	12,579	407,692	2,136 * + 52	
Madura—	Gundan shola plantation.	1886-87 ..	242	257	..	257	98	
	Poombarai Vilpatti Valley.	1884-85 ..	17,594	17,594	..	17,594	40	
	Aliyanuthu	1888-89 ..	4,352	4,352	..	4,352	30	
	Kudarayar	1886-87 ..	13,235	13,235	..	13,235	115	
	Kookal	1886-87 ..	11,725	11,725	..	11,725	..	
	Amburuni	1886-87 ..	13,971	13,971	..	13,971	244	
	Shengalvarayar	1885-86 ..	7,098	7,098	..	7,098	68	
	Karungal Dhoni Medu ..	1885-86 ..	3,469	3,469	..	3,469	7	
	Pambar	1883-84 ..	4,741	4,741	403	4,338	114	
	Adukam	1885-86 ..	7,520	7,520	224	7,296	266	
	Perumal Malai	1886-87 ..	2,032	2,032	986	1,046	..	
Special ..	Alagar Hill	1882-83 ..	16,838	16,838	20	16,818	68	
	Mela Gudalur	1885-86 ..	..	..	..	..	541	
	Vannathiparai	1884-85 ..	24,157	..	..	..	..	
	Kallar	1885-86 ..	..	..	..	..	..	
	Arunkaval	1883-84 ..	..	..	..	..	..	
	Vannilai	1885-86 ..	..	..	..	..	..	
	Kaniankadu	1885-86 ..	..	..	..	..	..	
	Marudanadiyar	1885-86 ..	..	..	..	..	..	
	Wahuthumalai	1884-85 ..	..	..	..	..	..	
	Sirumalai	1885-86 ..	..	..	..	..	..	
	Karandamalai	1887-88 ..	..	..	..	..	..	
	Perumalai	1891-92 ..	..	..	..	..	..	
	Mudimalai	1884-85 ..	..	..	..	..	..	
General ..	Thoppaswami Malai ..	..	..	..	..	..	..	
	Gallnut block, Machoor ..	..	..	..	..	..	..	
	Vannathiparai	..	..	..	..	..	..	
	Total, Special and General,	..	126,974	102,832	1,653	101,199	1,591 * + 81	
Tinnevelly—Special. Ambásamudram.	Padarmalai Working Circle.	1895-96 ..	405	540	270	270	6	
	Panniamaduku Working Circle.	1896-97 ..	210	278	..	278	..	
	Koilterai Working Circle.	1896-97 ..	235	435	50	385	..	
	Sivasailam Working Circle	1896-97 ..	241	344	..	344	2	
	Total, Ambásamudram ..	..	1,091	1,597	320	1,277	8	
Nangunéri ..	Kalakad Working Circle .	1896-97 ..	689	795	..	795	55	
	Tirukurungudi Working Circle.	1897-98 ..	47	88	1	87	50	
	Total, Nangunéri ..	..	736	883	1	882	105	

* Added as per Accountant-General's audited figures under A VIII (*f*).

Area of Forest Tracts protected from Fire during 1899-1900—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1899-1900. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	
Tinnevelly—Special—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Tenkási ..	Courtallam Working Circle.	1896-97 ..	289	547	51	496	7	
	Kadayanallur Working Circle.	1897-98 ..	209	176	22	154	..	
	Total, Tenkási ..	..	498	723	73	650	7	
Sankaranayinárkovil.	Karuppasamikovil Working Circle.	1897-98 ..	362	709	86	623	..	
Srívilliputtúr.	Rangarkovil Working Circle.	1896-97 ..	422	533	..	533	..	
	Aiyanarkovil Working Circle.	1896-97 ..	939	1,144	10	1,134	72	
	Valaikulam Working Circle.	1896-97 ..	331	299	..	299	..	
	Muthaliarutha rest-house and forest guards lines.	1897-98 ..	320	320	..	320	25	
	Total, Srívilliputtúr ..	..	2,012	2,296	10	2,286	97	
	Total, Special ..	..	4,699	6,208	490	5,718	217	
General—Ambásamudram.	Ghaut forests II and II-(*b*)	..	84,354	86,872	4,285	84,774	40	
	Do. II-(*a*) ..	..	2,117	2,187				
Nangunéri ..	Do. I and I-(*a*).	..	52,603	52,919	865	52,054	371	
Tenkási ..	Ghaut forests III, III-(*a*) (*b*), (c_1), (c_2), (*d*) and Chinnakadu.	..	22,713	24,282	2,337	21,945	238	
Sankaranayinárkóvil.	Ghaut forests IV and IV(*a*)	..	27,184	27,321	6,297	21,024	73	
Srívilliputtúr.	Do. V and V-(*a*).	..	40,274	41,808	1,464	40,344	97	
	Total, General ..	..	229,245	235,389	15,248	220,141	819	
	Total, Special and General, Tinnevelly.	..	233,944	241,597	15,738	225,859	1,036 *— 186	
	Total, Southern Circle—Special	..	333,603	321,366	15,679	305,687	10,593	
	General	..	712,869	790,586	79,332	711,254	1,939	
	Grand Total, Southern Circle.	..	1,046,472	1,111,952	95,011	1,016,941	12,532	
	Total, Presidency—Special	..	1,101,899	1,094,218	21,416	1,069,802	19,015	
	General	..	2,060,621	2,193,051	155,202	2,037,849	17,099	
	Grand Total, Presidency.	..	3,162,520	3,287,269	179,618	3,107,651	36,114	

* Deducted as per Accountant-General's audited figures under A-VIII (*f*).

N.B.—Where Collectors have not reported the figures saparately for special areas, they are shown under "General."

ANNUAL FORM No. 52.

Forest Department, Madras Presidency.

AREA closed and open to Grazing during 1899–1900.

District.	Area in square miles. Closed to all animals. Whole year.	Closed to all animals. Part of year.	Closed to both goats and sheep. Whole year.	Closed to both goats and sheep. Part of year.	Area closed to goats only.	Open to all animals. Whole year.	Total forest area as per Form No. 44.
1	2	3	4	5	6	7	8
Northern Circle.							SQ. MLS.
Ganjám	113	..	..	..	488 51	..	488 51
Vizagapatam	1	..	221 133	..	..	..	221 133
Gódávari	1	..	..	..	942 7	2 ..	944 7
Kistna	48 1	103	..	..	690 247	113 78	803 325
Kurnool	101	..	..	..	2,054 526	21 280	2,075 806
Bellary	21	..	..	..	265	350	615
Anantapur	37	..	..	..	507 3	..	507 3
Total ..	323	103	354	..	5,780	844	6,978
Central Circle.							
Cuddapah	13	..	..	..	2,382	* 69	2,451
Nellore	10	..	..	..	614 88	* 53 ..	667 88
Chingleput	32	..	..	..	199	* 15	214
North Arcot	106 ..	114 ..	..	..	1,183 50	.. 1	1,183 51
South Arcot	16	..	..	..	685 24	..	685 24
Salem	63	27	..	..	1,188 183	69 ‖ 13	1,257 196
Trichinopoly	29	16	..	..	240 78	..	318
Tanjore	1	..	..	..	18	† ..	18
Total ..	270	157	..	..	6,932	220	7,152
Southern Circle.							
South Canara	15 1	..	..	..	‡ 497 ‡ 596	..	497 596
Malabar, North	52	..	..	..	52	220	272
Do. South	§ 328	..	328	..	..	..	328
The Nilgiris	4 11	..	..	..	389 100	..	389 100
Coimbatore, North	92	..	14	..	1,625	..	1,639
Do. South	..	265	..	..	657 1	..	658
Madura	15 1	..	..	..	597 14	..	597 14
Tinnevelly	284	45	..	..	418 11	..	418 11
Total ..	803	310	342	..	4,957	220	5,519
Grand Total, Presidency ..	1,396	570	696	..	17,669	1,284	19,649
1898–99	1,824	132	2,054	..	16,421	1,119	19,514

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets the upper one denotes area of reserved forests and the lower the area of reserved lands.

* Reserved for goats. † Goats were allowed in 168 acres in Vettangudi reserved forest.
‡ Goats and sheep are reported to be almost nonexistent in the district. § No demand for grazing.
‖ Goats were allowed in nine reserves.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	5,902	25,492	(a) 950	..	7,082
Vizagapatam	(b) 107	(b) 2,586	..	..	700	758	12,070	..	..	2,548
Gódávari (x)	260	428	..	..	356	555	3,182	1,281	..	1,411
Kistna (z)	(f) 23,809	(f) 4,761	..	..	9,821	31,166	91,271	313,162	546	58,262
	(g) 2,202	(g) 8,870	..	..	3,319					
	(h) 384	(h) 259	..	..	322					
	..	(j) 195	..	..	195					
Kurnool (c)	2,343	51,008	1,395	..	14,098	4,115	55,495	138,872	..	24,968
Bellary	..	..	..	..	..	9,206	36,341	217,136	..	30,622
Anantapur	..	..	..	..	..	1,566	28,445	(a) 23,669	..	8,139
Total, Northern Circle	29,105	68,107	1,395	..	28,811	53,268	252,296	695,070	546	1,33,032
Central Circle.										
Cuddapah (z)	..	..	..	..	..	3,209	106,856	(e) 140,435	..	34,405
Nellore	..	..	..	..	..	7,538	50,703	184,714	..	29,650
Chingleput	..	..		..	..	2,739	29,259	56,354	.	11,796
North Arcot	..	..	..	..	..	2,150	78,909	49,715	..	20,304
South Arcot	(i) 10	(i) 24,769	..	..	6,197	2,751	68,548	(a) 81,999	..	21,572
Salem (n)	1,147	68,500	13,336	..	19,697	2,374	131,628	40,033	..	29,434
Trichinopoly	..	..	..	..	..	397	14,400	(a) 46,928	..	7,248
Tanjore (z)	..	..	..	..	..	439	2,685	3,027	40	959
Total, Central Circle	1,157	93,269	13,336	..	25,894	21,597	482,988	603,205	40	1,55,368
Southern Circle.										
South Canara	..	..	..	..	..	1,546	10,408	..	..	2,531
North Malabar (z)	..	..	..	..	..	971	2,518	..	..	(o) 936
South Malabar (p)	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	8,970	18,192	498	..	(s) 7,351
North Coimbatore (b)	6,855	154,931	23,071	2	45,045	156	3,944	..	..	798
South Coimbatore	..	..	..	..	..	326	31,741	6,338	..	6,668
Madura (w)	279	41,423	16,042	2	12,051	.	..	..	..	..
Tinnevelly	..	..	..	..	..	412	13,633	22,773	..	4,846
Total, Southern Circle	7,134	196,354	39,113	4	57,096	12,381	80,436	29,609	..	23,130
Grand Total, Reserved Forest, Presidency	37,396	357,730	53,844	4	1,11,801	87,246	815,720	1,327,884	586	3,11,530

N.B.—Full rates are the ordinary sanctioned

(a) Sheep. (b) Enhanced rates at As. 8 per buffaloe and As. 4 per cow or bullock and As. 2 per goat were collected.
quarterly permits at ¼ rates are being issued. As grazing permits are being issued according to working circles which contain reserved

(d) As. 2 per cow and anna 1 per goat or sheep. (e) Of these 13,140 were goats. (f) Double rates.

(h) Enhanced rate at the rate of As. 8 per buffaloe, As. 8 per cow or bullock were collected in Bezwada and Ganadala reserves.

(j) Special rates of Re. 1 per plough bullock was levied in Jaggarapettah extension 5. (k) As. 2 per cow.

(m) This figure represents the number of cattle admitted free in the Tenmalai block of the Tiruvannamalai range for the Malayalis

(n) The enhanced rates charged were As. 8, 4 and 2 per buffaloe, cow and sheep or goat respectively. At these rates, the fees should

(o) Includes Rs. 100 realized from proprietor of an estate for the right of grazing in Begur reserve. (p) Grass is cut and no

(q) Includes compensation fees, arrear collection grazing fees, &c. (s) At the ordinary sanctioned maximum rates, the

(t) Daily rates at As. 3 per hundred per diem were collected. (x) The enhanced rates are As. 12 per buffaloe and As. 6 per
division As. 2 per buffaloe, anna 1 per bull or cow and 6 pies per sheep or goat; 1 anna on cattle owned by Telegas. As. 2 per
Even at these rates the fees should amount to Rs. 1,233 and not Rs. 1,411 as entered by the Collector in his statement.

(z) Details for reserved forests and reserved lands have not been shown separately by Collectors. In Cuddapah no distinction is made
separately.

No. 53.

Madras Presidency during 1898–99.

section 16 of the Forest Act.

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement.						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	7,082
..	..	..	..	..	..	..	200	..	..	38		290	..	..	54	92	3,340
17,161	55,353	6.881	..	8,253	17,459	..	..	..	..	..	685	7,586	..	..	1,679	1,679	20,905
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	71,919
..	..	..	..	..	..	..	2,485	5,505	..	981	..		..	..	..	981	40,047
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		30,622
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,139
17,161	55,353	6,881	..	8,253	17,459	..	2,685	5,505	..	1.019	685	7,876	..	..	1,733	2,752	1,82,054
..	(d) 64	105	..	15	22	..	1,900	..	..	356	..	..	..	..	..	356	34,783
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,650
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11,796
..	(k) 1,746	..	..	218	327	..	..	..	..		..	..	..	..	..	..	20,631
(l) 38	150	..		28	42	..		..	..		(m) 1,385	4,928	341	..	1,475	1,475	29,286
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49,131
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7,248
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	959
38	1,960	105	..	261	391	..	1,900	..	..	356	(m) 1,385	4,928	341	..	1,475	1,831	1,83,484
..	..	..		..	..	..	..	..	..	..	..	..	..		..	..	2,531
..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	936
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	(t) 4,171	..	..	164	782	..	..	..	..	..	..	..	..	..	..	..	8,133
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	(g) 46,137
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,668
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,051
..	..	..	..	..	..	..	..	..	..	..	25	245	..	..	55	55	4,901
..	4,171	..	..	164	782	..	..	..	..	..	25	245	..	..	55	55	81,357
17,199	61,484	6,986	.	8,678	18,632	..	4,585	5,505	..	1,375	2,095	13,049	341	..	3,263	4,638	4,46,895

maxima, viz , As. 6 per buffaloe, &c.

(c) Enhanced rates for grazing tracts inside " Sim's line " are Rs. 2, 1 and As. 8 per buffaloe, cow and goat or sheep respectively, but forest and reserved lands the number of cattle grazed in each cannot be stated separately.

(g) As. 8 per buffaloe, As. 4 per cow or bullock and As. 2 per sheep or goat in the Kondavid, Mangalagiri, Weld and Kondapalli reserves.

(i) The enhanced rates of As. 8 per buffaloe and As. 4 per cow were levied on foreign cattle.

(l) In the Tenmalais As. 4 per buffaloe and As. 2 per cow were collected.

on the hills.

amount to Rs. 19,365 and not Rs. 19,697.

grazing fee is levied.

fees should amount to Rs. 6,821 and not Rs. 7,351.

bull or cow. The privileged rates are As. 4 per buffaloe, As. 2 per bull or cow and anna 1 per sheep in the main division, and in the sub-head of delta cattle. The full rates collected were As. 8 per buffaloe, As. 4 per cow, 1½ annas per sheep and As. 2 per goat.

(w) Enhanced fees at the rates of As. 8, 4 and 2 per buffaloe, cow and sheep respectively were collected.

between reserved forests and lands in issuing licenses for grazing. Hence it is impossible to give details for reserved forests and lands.

Form

Return of Grazing in the State Forests of the

(b) *Reserved*

Districts.	Grazing on payment. Number of animals.									
	At enhanced rates					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	823	2,096	(e) 66	..	708
Vizagapatam	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	556	1,530	7,493	..	1,198
Anantapur	..	..	..	..	..	..	..	..	..	..
Total, Northern Circle	..	..	..	..	..	1,379	3,626	7,559	..	1,906
Central Circle.										
Cuddapah	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	1,559 (a) 818	7,758 4,904	29,705 11,688	..	4,824 2,322 (b) 474
Chingleput	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	..	..	..	109	1,619	903	..	429
South do.	..	587	..	..	147	20	1,981	(e) 628	..	438
Salem (c)	124	7,013	174	..	1,837	..	..	..	..	..
Trichinopoly	..	..	..	..	..	152	9,162	43,530	..	5,856
Tanjore	..	..	..	..	..	..	..	..	..	..
Total, Central Circle	124	7,600	174	..	1,984	2,658	25,424	86,454	..	14,343
Southern Circle.										
South Canara	..	..	..	..	..	1,773	10,956	..	..	2,719
North Malabar	..	..	..	..	..	..	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..
North Coimbatore	..	..	..	..	..	..	..	..	..	..
South do.	..	..	..	..	..	..	..	..	..	..
Madura (c)	52	1,423	291	..	418	..	..	..	..	..
Tinnevelly	..	..	..	..	..	44	496	873	..	191
Total, Southern Circle	52	1,423	291	..	418	1,817	11,452	873	..	2,910
Grand Total, Reserved Lands, Presidency	176	9,023	465	..	2,402	5,854	40,502	94,886	..	19,159
Northern Circle, Reserved Forest and Reserved Lands	29,105	68,107	1,395	..	28,811	54,647	255,922	702,629	546	1,34,938
Central Circle, Reserved Forest and Reserved Lands	1,281	100,869	13,510	..	27,878	24,255	508,412	689,659	40	1,69,711
Southern Circle, Reserved Forest and Reserved Lands	7,186	197,777	39,404	4	57,514	14,198	91,888	30,482	..	26,040
Grand Total, Presidency	37,572	366,753	54,309	4	1,14,203	93,100	856,222	1,422,770	586	3,30,689

(a) On unreserved lands.
(b) Kancha rent.
(c) Enhanced fees at the rate of As. 8, 4 and 2 per buffaloe, cow and sheep or goat respectively were collected.
(d) Grazing in Rampa unreserved lands.
(e) Sheep.
(f) Fees collected from grazing leases, &c., in unreserved lands.

No. 53—*cont.*

Madras Presidency during 1899-00—*cont.*

lands.

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	708
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	8			1	3												
(d)2,463	(d)6,522	..	..	1,123	2,147	..	..	..	..	..	..	..	..	..	..	..	2,150
				(f)729	..												
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,198
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2,467	**6,530**	..		**1,853**	**2,150**	..	..		..	..	..	..	..	..	..	..	**4,056**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	7,620
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	429
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	585
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,837
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,856
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	**16,327**
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,719
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	233	..	..	..	87	..	..	..	..	..	87	87
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	418
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	191
..	..	..	..	..	..	233	..	..	..	87	.	..	..	..	..	87	**3,415**
2,467	6,530	..	..	1,853	2,150	233	..	..	..	87	..	..	..	..	..	87	**23,798**
19,628	61,883	6,881	..	10,106	19,609	..	2,685	5,505	..	1,019	685	7,876	..	..	1,733	2,752	1,86,110
38	1,960	105	..	261	391	..	1,900	..	..	356	1,385	4,928	341	..	1,475	1,831	1,99,811
..	4,171	..	..	164	782	233	.	..	..	87	25	245	..	..	55	162	84,772
19,666	68,014	6,986	..	10,531	20,782	233	4,585	5,505	..	1,462	2,095	13,049	341	..	3,263	4,745	4,70,693

Annual Form No. 54.

Forest Department, Madras Presidency.

Area of Plantations, Cultural Operations and Topes, 1899–1900.

	District.	Number of plantations and topes.	Area in acres.				Receipts.	Charges.
			On 1st July 1899.	Added during the year.	Excluded during the year.	Area on 30th June 1900.	Of the year.	
	1	2	3	4	5	6	7	8
							RS.	RS
	A. Regular Plantations.							
Northern Circle.	Ganjám	1	348	..	..	348	18	241
	Gódávari	3	175	77	..	252	451	3,469
	Kistna	17	1,882	13	..	1,895	1,051	1,662
	Total, Northern Circle	21	2,405	90	..	2,495	1,520	5,372
Central Circle.	Cuddapah	..	2,100	..	..	2,100	234	493
	Nellore	11	3,420	362	327	3,455	..	9,665 (a) − 514
	Chingleput	1	69	..	..	69	1,337	(b) 419
	North Arcot	6	1,160	9	..	1,169	3,040	503
	South Arcot	12	8,610	..	380	8,230	3,394	2,686
	Tanjore	4	539	..	..	539	1,716	1,172
	Total, Central Circle	34	15,898	371	707	15,562	9,721	14,424
Southern Circle.	South Canara	3	95	..	..	95	1,254	172 (a) − 47
	North Malabar	..	408	..	..	408	..	..
	South Malabar	20	4,720	80	..	4,800	36,594	(a) 7,728
	The Nilgiris	22	1,645	..	..	1,645	13,921	7,691 (a) + 3
	South Coimbatore	8	29	1	..	30	..	123
	Madura	5	266	8	..	274	..	1,078 (a) + 169
	Tinnevelly	2	25	1	..	26	..	124
	Total, Southern Circle	60	7,188	90	..	7,278	51,769	17,041
	Grand Total, Regular Plantations, Presidency.	115	25,491	551	707	25,335	63,010	36,837
	B. Cultural Operations.							
Northern Circle.	Direction	..	..	..	..	..	..	347
	Ganjám	..	404	..	..	404	12	151 (a) + 12
	Kistna	..	35	..	..	35	33	298
	Kurnool	..	..	..	..	..	..	90 (a) + 249
	Bellary	..	262	22	208	76	..	1,270 (a) + 20
	Anantapur	..	32	94	91	35	..	345 − 5
	Total, Northern Circle		733	116	299	550	45	2,777
Central Circle.	Cuddapah	..	596	..	..	596	105	205 (a) + 237
	Nellore	..	1,136	..	..	1,136	..	..
	Chingleput	..	175	..	..	175	..	86
	North Arcot	..	1,116	..	..	1,116	..	934
	South Arcot	..	..	..	..	..	..	(a) 312
	Trichinopoly	..	24 MLS. 91	..	..	24 MLS. 91	805	726
	Tanjore	..	1,076	55	..	1,131	69	3
	Total, Central Circle	..	4,123 MLS. 91	55	..	4,178 MLS. 91	979	2,503
Southern Circle.	The Nilgiris	..	484	..	..	484	..	230
	South Coimbatore	..	29	8	..	37	..	23 (a) + 25
	Tinnevelly	..	3,398	40	..	3,438	..	336 (a) − 109
	Total, Southern Circle	..	3,911	48	..	3,959	..	505
	Grand Total, Cultural Operations, Presidency.	..	8,767 MLS. 91	219	299	8,687 MLS. 91	1,024	5,785

(a) Added or deducted as per Accountant-General's audited figures under A-VIII (e).
(b) Includes also the cost incurred in the maintenance of the topes in the district.

Area of Plantations, Cultural Operations, and Topes, 1899–1900—*cont.*

District.		Number of plantations and topes.	Area in acres. On 1st July 1899.	Added during the year.	Excluded during the year.	Area on 30th June 1900	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
				C. Topes.				
							RS.	RS.
Northern Circle.	Ganjám	7	101	..	..	101	22	..
	Vizagapatam	2	78	..	..	78	..	(a) 378
	Kistna	14	136	..	..	136	10	192
	Kurnool	30	206	..	..	206	30	137
	Bellary	30	212	..	..	212	..	59
	Anantapur	905	2,885	..	..	2,885	..	(b) 184
	Total, Northern Circle	988	3,618	..	..	3,618	62	900
Central Circle.	Cuddapah	60	3,630	..	376	3,254	976	185
	Nellore	112	1,776	..	..	1,776	..	..
	Chingleput	17	230	..	..	230	560	..
	North Arcot	22	498	..	..	498	407	495
	South Arcot	63	462	..	3	459	98	26
	Salem	126	1,598	..	..	1,598	..	116
	Trichinopoly	19	573	..	..	573	1,197	(a) 156
	Total, Central Circle	419	8,767	..	379	8,388	3,238	978
Southern Circle.	North Malabar	..	56	..	..	56	..	(a) 2,197
	South do.	1	20	..	..	20	5	..
	North Coimbatore	4	209	..	..	209	..	{ 244 —(a) 54
	South do.	23	267	..	..	267	..	..
	Tinnevelly	9	84	..	..	84	7	54
	Total, Southern Circle	37	636	..	..	636	12	2,441
	Grand Total, Topes, Presidency	1,444	13,021	..	379	12,612	3,312	4,319
	Northern Circle, Plantations, Cultural operations and Topes	1,009	6,756	206	299	6,663	1,627	9,049
	Central Circle, Plantations, Cultural operations and Topes	453	28,788 MLS. 91	426	1,086	28,128 MLS. 91	13,938	17,905
	Southern Circle, Plantations, Cultural operations and Topes	97	11,735	138	..	11,873	51,781	19,987
	Grand Total, Presidency	1,559	47,279 MLS. 91	770	1,385	46,664 MLS. 91	67,346	46,941

(a) Added or deducted as per Accountant-General's audited figures. (b) Establishment charges.

Form No. 55.

Forest Department, Madras Presidency.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
NORTHERN CIRCLE.																
Ganjám.																
Reserved forests—																
Sal	8,696	..	..	..	8,696	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	27,473	60,031	1,550	..	89,054	..	..	..	..	..	..	..	..	..	..	..
Total ..	36,169	60,031	1,550	..	97,750	660	481,581	..	..	482,241	579,991	..	1,195,705	30,400	..	1,226,105
Reserved lands—																
Sal	..	402	..	..	402	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	6,936	..	..	6,936	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7,338	..	..	7,338	..	77,634	..	..	77,634	84,972	..	239,100	..	..	239,100
Unreserved lands—																
Sal	5,700	12,445	..	..	18,145	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	79,780	56,591	..	..	136,371	..	..	..	..	..	..	..	..	..	..	..
Total ..	85,480	69,036	..	..	154,516	..	71,455	..	..	71,455	225,971	..	34,635	..	..	34,635
Grand Total ..	121,649	136,405	1,550	..	259,604	660	630,670	..	..	631,330	890,934	..	1,469,440	30,400	..	1,499,840
Vizagapatam.																
Reserved forests—																
Miscellaneous	100	21,440	3,100	..	24,640	23,874	124,331	..	..	148,205	172,845	..	482,216	28,700	..	510,916
Reserved lands—																
Miscellaneous	..	29,759	..	..	29,759	..	117,999	..	..	117,999	147,758	..	194,066	..	.	194,066
Unreserved lands—																
Ironwood	30	..	..	..	30	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	342	7,180	..	..	7,522	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	..	3,050	..	3,050	..	..	..	..	..	..	..	..	..	..	..
Total ..	372	7,180	3,050	..	10,602	4,062	15,795	..	..	19,857	30,459	..	5,140	11,520	..	16,660
Grand Total ..	472	58,379	6,150	..	65,001	27,936	258,125	..	..	286,061	351,062	..	681,422	40,220	..	721,642

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE.—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Gódávari.																
Reserved forests—																
Teak	..	110	..	..	110	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,903	..	..	..	3,903	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	734	..	..	734	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	300	133,586	2,347	..	136,233	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,203	134,430	2,347	..	140,980	..	414,100	848	..	414,948	555,928	..	5,084,216	2,000	..	5,086,216
Reserved lands—																
Ironwood	..	..	60	..	60	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	..	20	..	20	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	480	20	..	500	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	480	100	..	580	..	..	..	..	..	580	..	..	250	..	250
Unreserved lands—																
Teak	34	212,583	..	..	212,617	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Vengai	48	6,875	..	..	6,923	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	..	333	..	333	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	57,991	20	..	58,011	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	72	223,264	9,738	..	233,074	..	..	..	..	..	..	..	..	..	..	..
Total ..	157	500,713	10,091	..	510,961	..	213,919	200	..	214,119	725,080	..	4,020,565	3,950	..	4,024,515
Grand total ..	4,360	635,623	12,538	..	652,521	..	628,019	1,048	..	629,067	1,281,588	..	9,104,781	6,200	..	9,110,981
Kistna.																
Reserved forests—																
Miscellaneous	4,618	48,124	1,180	..	53,922	1,340	413,127	..	..	414,467	468,389	1,205	197,660	..	..	198,865
Reserved lands—																
Miscellaneous	..	1,106	..	..	1,106	..	1,133	..	..	1,133	2,239	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	126,070	1,810	..	127,880	..	21,692	..	..	21,692	149,572	..	..	..	..	..
Grand total ..	4,618	175,300	2,990	..	182,908	1,340	435,952	..	..	437,292	620,200	1,205	197,660	..	..	198,865

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1889-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	No.	No.	No.	No.	No.
Kurnool.																
Reserved forests—																
Teak	647	..	..	..	647	..	..	..	..	..	..	..	..	..	..	..
Vengai	2,563	..	..	..	2,563	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	1,897	8	..	..	1,905	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	8,668	181,862	2,850	1,311	1,94,691	..	..	..	..	..	..	..	..	..	..	..
Total ..	13,775	181,870	2,850	1,311	1,99,806	109,374	158,878	..	257,510	525,762	725,568	3,735	3,682,175	16,500	20,489	3,722,899
Reserved lands—																
Miscellaneous	..	27,430	3,720	..	31,150	..	118,959	..	..	118,959	150,109	..	37,800	23,120	..	60,920
Unreserved lands—																
Miscellaneous	..	21,269	700	..	21,969	120	48,152	..	..	48,272	70,241	..	..	..	..	..
Grand Total ..	13,775	230,569	7,270	1,311	252,925	109,494	325,989	..	257,510	692,993	945,918	3,735	3,719,975	39,620	20,489	3,783,819
Bellary.																
Reserved forests—																
Redwood	..	120	..	..	120	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	..	220	..	..	220	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	4,819	..	..	4,819	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	5,159	..	..	5,159	..	161,211	..	..	161,211	166,370	..	2,635	..	..	2,635
Reserved lands—																
Teak	1,110	..	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	16	..	..	..	16	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,171	3,709	..	..	25,880	..	..	..	..	..	..	..	..	..	..	..
Total ..	23,297	3,709	..	..	27,006	148,462	34,019	..	..	182,481	209,487	306	93,100	..	..	93,406
Unreserved lands—																
Miscellaneous	..	50,768	1,184	..	51,952	2,290	120,680	..	..	122,970	174,922	..	..	..	..	..
Grand Total ..	23,297	59,636	1,184	..	84,117	150,752	315,910	..	..	466,662	550,779	306	95,735	..	..	96,041

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
NORTHERN CIRCLE—*cont.*																
Anantapur.																
Reserved forests—Miscellaneous	..	6,840	500	..	7,340	..	49,816	..	..	49,816	57,156	..	4,675	..	..	4,675
Unreserved lands—Miscellaneous	..	10,764	..	..	10,764	..	54,493	..	..	54,493	65,257	..	..	..	..	..
Grand Total ..	..	17,604	500	..	18,104	..	104,309	..	..	104,309	122,413	..	4,675	..	..	4,675
CENTRAL CIRCLE.																
Cuddapah.																
Reserved forests—Redwood	43,623	..	..	..	43,623	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	10,520	117,785	7,030	..	135,335	..	..	..	..	..	..	..	..	..	..	..
Total ..	54,143	117,785	7,030	..	178,958	15,159	408,149	..	..	423,308	602,266	8,400	1,390,786	29,800	..	1,428,986
Unreserved lands—Miscellaneous	..	48,686	..	..	48,686	..	120,870	..	..	120,870	169,556	..	..	..	..	..
Grand Total ..	54,143	166,471	7,030	..	227,644	15,159	529,019	..	..	544,178	771,822	8,400	1,390,786	29,800	..	1,428,986
Nellore.																
Reserved forests—Miscellaneous	420	19,997	..	..	20,417	543,449	90,659	..	..	634,108	654,525	..	2,072	..	..	2,072
Unreserved lands—Miscellaneous	..	41,396	4,492	..	45,888	..	15,371	..	..	15,371	61,259	..	..	..	..	..
Grand Total ..	420	61,393	4,492	..	66,305	543,449	106,030	..	..	649,479	715,784	..	2,072	..	..	2,072
Chingleput.																
Reserved forests—Miscellaneous	..	1,222	..	..	1,222	740	114,535	..	..	115,275	116,497	..	15,860	..	..	15,860
Reserved lands—Miscellaneous	..	80	..	..	80	..	12,000	..	..	12,000	12,080	..	69	..	..	69
Unreserved lands—Miscellaneous	..	74,305	60	..	74,365	31,957	59,468	..	..	91,425	165,790	..	22,631	5	..	22,636
Grand Total ..	..	75,607	60	..	75,667	32,697	186,003	..	..	218,700	294,367	..	38,560	5	..	38,565

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	C. FT.	NO.	NO.	NO.
North Arcot.																
Reserved Forests—																
Miscellaneous	1,069	26,040	2,620	..	29,729	12,873	135,980	..	..	148,853	178,582	2,834	55,175	1,000	..	59,009
Unreserved lands—																
Miscellaneous	..	27,016	4,720	..	31,736	..	92,084	..	..	92,084	123,820	..	..	..	..	..
Grand Total ..	1,069	53,056	7,340	..	61,465	12,873	228,064	..	..	240,937	302,402	2,834	55,175	1,000	..	59,009
South Arcot.																
Reserved Forests—																
Teak	190	..	..	..	190	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	70	..	..	..	70	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	120	10,124	..	..	10,244	..	..	..	..	..		..	..	..	..	..
Total ..	380	10,124	..	..	10,504	14,103	103,355	400	..	117,858	128,362	63,033	773,580	..	..	836,613
Reserved lands—																
Miscellaneous	..	408	..	..	408	500	3,200	..	..	3,700	4,108	..	..	..		..
Unreserved lands—																
Miscellaneous	..	14,205	..	..	14,205	..	150,387	..	..	150,387	164,592	..	..	..	..	..
Grand Total ..	380	24,737	..	..	25,117	14,603	256,942	400	..	271,945	297,062	63,033	773,580	..	..	836,613
Salem.																
* Reserved Forests—																
Sandalwood	545	..	..	..	545	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,604	100,650	460	..	102,714	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,149	100,650	460	..	103,259	1,512,742	214,632	..	..	1,727,374	1,830,633	6,700	6,199,719	11,000	..	6,217,419
Trichinopoly.																
Reserved Forests—																
Miscellaneous	..	12,046	..	..	12,046	75,258	65,514	..	..	140,772	152,818	..	141,963	..	..	141,963
Reserved lands—																
Miscellaneous	..	223	..	..	223	..	1,977	..	..	1,977	2,200	..	8,156	..	..	8,156
Unreserved lands—																
Miscellaneous	..	12,864	1,749	..	14,613	..	1,700,595	..	..	1,700,595	1,715,208	..	3,045	555	..	3,600
Grand Total ..	..	25,133	1,749	..	26,882	75,258	1,768,086	..	..	1,843,344	1,870,226	..	153,164	555	..	153,719

* Figures for the several forests, *i.e.*, Reserved forests, Reserved lands, etc., for the several species have not been given separately by the Collector.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Tanjore.																
Reserved forests—																
Miscellaneous	..	9,192	..	..	9,192	..	134,363	..	..	134,363	143,555	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	320	..	..	320	.	335,877	..	..	335,877	336,197	..	2,268	..	..	2,268
Grand total ..	..	9,512	..	..	9,512	..	470,240	..	..	470,240	479,752	..	2,268	..	..	2,268
SOUTHERN CIRCLE.																
South Canara.																
Reserved forests—																
Teak	3,464	317	..	..	3,781	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	58	..	..	58	..	..	..	..	..	..	..	..	..	..	..
Ironwood	40	..	..	..	40	..	..	..	..	..	..	..	..	..	..	..
Hopea		699	..	..	699	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	45	715	..	..	760	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	200	439	..	..	639	..	..	..	..	..	..	..	..	..	..	..
Total ..	3,749	2,228	..	..	5,977	10,611	124,781	..	..	135,392	141,369	915	71,458	..	..	72,373
Reserved lands—																
Teak	45	401	..	..	446	..	..	..	..	..	..	..	..	..	..	..
Rosewood	15	..	..	..	15	..	..	..	..	..	..	..	..	..	..	..
Vengai	199	..	..	..	199	..	..	..	..	..	..	..	..	..	..	..
Ironwood	8,850	..	..	..	8,850	..	..	..	..	..	..	..	..	..	..	..
Hopea	218	613	..	..	831	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,296	1,398	..	..	6,694	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	13,887	105	..	..	13,992	..	..	..	..	..	..	..	..	..	..	..
Total ..	28,510	2,517	..	..	31,027	7,199	158,902	..	..	166,101	197,128	..	31,742	..	..	31,742
Unreserved lands—																
Teak	..	212	..	..	212	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	75	..	..	75	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	310	..	..	310	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	135	343	..	478	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	413	..	..	413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	2,033	..	..	2,033	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	3,178	343	..	3,521	..	598,045	..	..	598,045	601,566	..	..	..	..	..
Grand total ..	32,259	7,923	343	..	40,525	17,810	881,728	..	..	899,538	940,063	915	103,200	..	..	104,115

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Southern Circle—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
* *North Malabar.*																
Reserved Forests—																
Teak	88,331	11,126	..	..	99,457	..	..	..	..	..	..	..	..	..	..	..
Rosewood	1,692	250	..	..	1,942	..	..	..	..	..	..	..	..	..	..	..
Vengai	10,099	530	..	..	10,629	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	15,897	3,739	3,520	..	23,156	..	..	..	..	..	..	..	..	..	..	..
Grand Total ..	116,019	15,645	3,520	..	135,184	1,400	2,580	1,760	..	5,740	140,924	3,100	10,733	2,125	..	15,958
South Malabar.																
Reserved Forests—																
Teak	6,035	7,499	..	..	13,534	..	..	..	..	..	..	..	..	..	..	..
Rosewood	508	1,502	..	..	2,010	..	..	..	..	..	..	..	..	..	..	..
Vengai	179	60	..	..	239	..	..	..	..	..	..	..	..	..	..	..
Ironwood	18,935	2,320	..	..	21,255	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	132	..	..	132	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	11,368	2,778	..	..	14,146	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	24,147	23,222	..	..	47,369	..	..	..	..	..	..	..	..	..	..	..
Total ..	61,172	37,513	..	..	98,685	648	28,022	..	..	28,670	127,355	39,837	92,864	..	..	132,701
Reserved lands—																
Teak	32,780	4,489	..	..	37,269	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	71	..	..	71	..	..	..	..	..	..	..	..	..	..	..
Vengai	87	..	..	..	87	..	..	..	..	..	..	..	..	..	..	..
Ironwood	2,047	8,512	..	..	10,559	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	1,108	..	..	1,108	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	245	5,063	..	..	5,308	..	..	..	..	..	..	..	..	..	..	..
Total ..	35,159	19,243	..	..	54,402	..	160	..	..	160	54,562	1,300	7,000	10	..	8,310
Unreserved lands—																
Teak	74	..	..	..	74	..	..	..	..	..	..	..	..	..	..	..
Ironwood	94	..	..	..	94	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	30	..	..	30	..	..	..	..	..	..	..	..	..	..	..
Total ..	168	30	..	..	198	..	..	..	..	..	198	..	..	..	..	..
Grand Total ..	96,499	56,786	..	..	153,285	648	28,182	..	..	28,830	182,115	41,137	99,864	10	..	141,011

* The Collector has not given the figures separately for Reserved forests, Reserved lands, &c.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO	NO.
The Nilgiris.																
* Reserved forests—																
Sandalwood	140	..	..	..	140	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	28,333	5,442	215	462	34,452	..	..	..	..	..	..	..	..	..	..	..
Total ..	28,473	5,442	215	462	34,592	381,380	20,879	3,820	64	406,143	440,735	..	309,082	2,540	800	312,422
North Coimbatore.																
Reserved forests—																
Teak	640	..	..	..	640	..	..	..	..	..	..	..	..	..	..	..
Vengai	2,572	..	..	..	2,572	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,481	..	..	..	2,481	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	37	..	..	..	37	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	763	30,395	529	..	31,687	..	..	..	..	..	..	..	..	..	..	..
Total ..	6,493	30,395	529	..	37,417	2,088	264,999	..	..	267,087	304,504	246,360	1,563,484	3,040	..	1,812,884
Unreserved lands—																
Sandalwood	17	..	..	..	17	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,019	..	..	..	1,019	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,036	..	..	..	1,036	836	..	..	..	836	1,872	7,200	..	..	..	7,200
Grand total ..	7,529	30,395	529	..	38,453	2,924	264,999	..	..	267,923	306,376	253,560	1,563,484	3,040	..	1,820,084
South Coimbatore.																
Reserved forests—																
Teak	10,292	1	..	..	10,293	..	..	..	..	..	..	..	..	..	..	..
Rosewood	965	237	..	..	1,202	..	..	..	..	..	..	..	..	..	..	..
Vengai	215	258	..	..	473	..	..	..	..	..	..	..	..	..	..	..
Ironwood	272	..	..	..	272	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	21,927	..	..	..	21,927	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	20,526	10,777	..	..	31,303	..	..	..	..	..	..	..	..	..	..	..
Total ..	54,197	11,273	..	..	65,470	268,795	816,908	..	..	1,085,703	1,151,173	..	1,155,940	..	..	1,155,940
Unreserved lands—																
Miscellaneous	200	4,518	..	..	4,718	108	41,538	2,160	..	43,806	48,524	..	4,140	..	..	4,140
Grand total ..	54,397	15,791	..	..	70,188	268,903	858,446	2,160	..	1,129,509	1,199,697	..	1,160,080	..	..	1,160,080

* Figures for the several forests and species have not been given by the Collector.

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Madura.																
Reserved forests—																
Teak	34	..	..	..	34	..	..	..	..	..	..	..	..	..	..	..
Vengai	70	152	..	..	222	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	691	17,510	380	..	18,581	..	..	..	..	..	..	..	..	..	..	..
Total ..	795	17,662	380	..	18,837	12,975	326,930	..	..	339,905	358,742	..	105,866	..	..	105,866
Unreserved lands—																
Teak	..	32	..	..	32	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	44	..	..	44	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	38	..	..	38	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	178,355	..	..	178,355	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	178,469	..	..	178,469	..	913	..	..	913	179,382	..	..	..	..	..
Grand Total ..	795	196,131	380	..	197,306	12,975	327,843	..	..	340,818	538,124	..	105,866	..	..	105,866
Tinnevelly.																
Reserved forests—																
Teak	..	7	..	..	7	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	306	..	..	306	..	..	..	..	..	..	..	..	..	..	..
Hopea	4,918	300	..	..	5,218	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	103	43,257	..	..	43,360	..	..	..	..	..	..	..	..	..	..	..
Total ..	5,021	43,870	..	..	48,891	16,102	1,790,638	..	..	1,806,740	1,855,631	..	14,833	..	..	14,833
Unreserved lands—																
Miscellaneous	..	..	80	..	80	11,279	446,445	..	..	457,724	457,804	..	342	..	..	342
Grand total ..	5,021	43,870	80	..	48,971	27,381	2,237,083	..	..	2,264,464	2,313,435	..	15,175	..	..	15,175

Abstract.

District.	Timber: Government.	Timber: Purchasers.	Timber: Free-grantees.	Timber: Right-holders.	Timber: Total.	Fuel: Government.	Fuel: Purchasers.	Fuel: Free-grantees.	Fuel: Right-holders.	Fuel: Total.	Total: Outturn.	Bamboos: Government.	Bamboos: Purchasers.	Bamboos: Free-grantees.	Bamboos: Right-holders	Bamboos: Total.
NORTHERN CIRCLE.																
Reserved forests—																
Teak	647	110	..	..	757	..	..	..	..	..	..	..	..	..	..	..
Vengai	2,563	..	..	..	2,563	..	..	..	..	..	..	..	..	..	..	..
Redwood	..	120	..	..	120	..	..	..	..	..	..	..	..	..	..	..
Sal	8,696	..	..	..	8,696	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,903	..	..	..	3,903	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	1,897	962	..	..	2,859	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	41,159	456,702	11,527	1,311	510,699	..	..	..	..	..	..	..	..	..	..	..
Total ..	58,865	457,894	11,527	1,311	529,597	135,248	1,803,044	848	257,510	2,196,650	2,726,247	4,940	10,649,282	77,600	20,489	10,752,311

Outturn (in cubic feet, solid) of Timber and fuel during the year 1899-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Abstract—cont.																
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved lands—																
Teak	1,110	..	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Sal	..	402	..	..	402	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	..	60	..	60	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	16	..	..	..	16	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	..	20	..	20	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,171	69,420	3,740	..	95,331	..	..	..	..	..	..	..	..	..	..	..
Total ..	23,297	69,822	3,820	..	96,939	148,462	349,744	..	..	498,206	595,145	306	564,066	23,370	..	587,742
Unreserved lands—																
Teak	34	212,583	..	..	212,617	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Vengai	48	6,875	..	..	6,923	..	..	..	..	..	..	..	..	..	..	..
Sal	5,700	12,445	..	..	18,145	..	..	..	..	..	..	..	..	..	..	..
Ironwood	30	..	333	..	363	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	342	65,171	20	..	65,533	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	79,852	488,726	16,482	..	585,060	..	..	..	..	..	..	..	..	..	..	..
Total ..	86,009	785,800	16,835	..	888,644	6,472	546,186	200	..	552,858	1,441,502	..	4,060,340	15,470	..	4,075,810
Grand Total ..	168,171	1,313,516	32,182	1,311	1,515,180	290,182	2,698,974	1,048	257,510	3,247,714	4,762,894	5,246	15,273,683	116,440	20,489	15,415,863
CENTRAL CIRCLE.																
Reserved forests—																
Teak	190	..	..	..	190	..	..	..	..	..	..	..	..	..	..	..
Redwood	43,623	..	..	..	43,623	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	615	..	..	..	615	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	13,733	297,056	10,110	..	320,899	..	..	..	..	..	..	..	..	..	..	..
Total ..	58,161	297,056	10,110	..	365,327	2,174,324	1,267,187	400	..	3,441,911	3,807,238	80,967	8,579,155	41,800	..	8,701,922
Reserved lands—																
Miscellaneous	..	711	..	..	711	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	711	..	..	711	500	17,177	..	..	17,677	18,388	..	8,225	..	..	8,225
Unreserved lands—																
Miscellaneous	..	218,792	11,021	..	229,813	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	218,792	11,021	..	229,813	31,957	2,474,652	..	..	2,506,609	2,736,422	..	27,944	560	..	28,504
Grand Total ..	58,161	516,559	21,131	..	595,851	2,206,781	3,759,016	400	..	5,966,197	6,562,048	80,967	8,615,324	42,360	..	8,738,651

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
							Abstract—cont.									
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	108,796	18,950	..	..	127,746	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3,165	2,047	..	..	5,212	..	..	..	..	..	..	..	..	..	..	..
Vengai	13,135	1,306	..	..	14,441	..	..	..	..	..	..	..	..	..	..	..
Ironwood	19,247	2,320	..	..	21,567	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,621	..	..	..	2,621	..	..	..	..	..	..	..	..	..	..	..
Hopea	4,918	1,131	..	..	6,049	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	33,377	3,493	..	..	36,870	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	90,660	134,781	4,644	462	230,547	..	..	..	..	..	..	..	..	..	..	..
Total ..	275,919	164,028	4,644	462	445,053	693,999	3,375,737	5,580	64	4,075,380	4,520,433	290,212	3,324,260	7,705	800	3,622,977
Reserved lands—																
Teak	32,825	4,890	..	..	37,715	..	..	..	..	..	..	..	..	..	..	..
Rosewood	15	71	..	..	86	..	..	..	..	..	..	..	..	..	..	..
Vengai	286	..	..	..	286	..	..	..	..	..	..	..	..	..	..	..
Ironwood	10,897	8,512	..	..	19,409	..	..	..	..	..	..	..	..	..	..	..
Hopea	218	613	..	..	831	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,296	2,506	..	..	7,802	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	14,132	5,168	..	..	19,300	..	..	..	..	..	..	..	..	..	..	..
Total ..	63,669	21,760	..	..	85,429	7,199	159,062	..	..	166,261	251,690	1,300	38,742	10	..	40,052
Unreserved lands—																
Teak	74	244	..	..	318	..	..	..	..	..	..	..	..	..	..	..
Rosewood	..	119	..	..	119	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	38	..	..	38	..	..	..	..	..	..	..	..	..	..	..
Ironwood	94	310	..	..	404	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	17	..	..	..	17	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	135	343	..	478	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	..	413	..	..	413	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,219	184,936	80	..	186,235	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,404	186,195	423	..	188,022	12,223	1,086,941	2,160	..	1,101,324	1,289,346	7,200	4,482	..	..	11,682
Grand total ..	340,992	371,983	5,067	462	718,504	713,421	4,621,740	7,740	64	5,342,965	6,061,469	298,712	3,367,484	7,715	800	3,674,711

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899-1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Circle Abstract.										
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Teak	1,791	212,698	..	..	214,484	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..
Vengai	2,611	6,875	..	..	9,486	..	..	..	..	..	..	..	..	..	..	..
Redwood	..	120	..	..	120	..	..	..	..	..	..	..	..	..	..	..
Sal	14,396	12,847	..	..	27,243	..	..	..	..	..	..	..	..	..	..	..
Ironwood	3,933	..	393	..	4,326	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	16	..	..	..	16	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	2,239	66,133	40	..	68,412	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	143,182	1,014,848	31,749	1,311	1,191,090	..	..	..	..	..	..	..	..	..	..	..
Total ..	168,171	1,313,516	32,182	1,311	1,515,180	290,182	2,698,974	1,048	257,510	3,247,714	4,762,894	5,246	15,273,688	116,440	20,489	15,415,863
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	190	..	..	..	190	..	..	..	..	..	..	..	..	..	..	..
Redwood	43,623	..	..	..	43,623	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	615	..	..	..	615	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	13,733	516,559	21,131	..	551,423	..	..	..	..	..	..	..	..	..	..	..
Total ..	58,161	516,559	21,131	..	595,851	2,206,781	3,759,016	400	..	5,966,197	6,562,048	80,967	8,615,324	42,360	..	8,738,651
SOUTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	141,695	24,084	..	..	165,779	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3,180	2,237	..	..	5,417	..	..	..	..	..	..	..	..	..	..	..
Vengai	13,421	1,344	..	..	14,765	..	..	..	..	..	..	..	..	..	..	..
Ironwood	30,238	11,142	..	..	41,380	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,638	..	..	..	2,638	..	..	..	..	..	..	..	..	..	..	..
Hopea	5,136	1,879	343	..	7,358	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	38,673	6,412	..	..	45,085	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	106,011	324,885	4,724	462	436,082	..	..	..	..	..	..	..	..	..	..	..
Total ..	340,992	371,983	5,067	462	718,504	713,421	4,621,740	7,740	64	5,342,965	6,061,469	298,712	3,367,484	7,715	800	3,674,711

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Presidency Abstract.																
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	109,633	19,060	..	..	128,693	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3,165	2,047	..	..	5,212	..	..	..	..	..	..	..	..	..	..	..
Vengai	15,698	1,306	..	..	17,004	..	..	..	..	..	..	..	..	..	..	..
Redwood	43,623	120	..	..	43,743	..	..	..	..	..	..	..	..	..	..	..
Sal	8,696	..	..	..	8,696	..	..	..	..	..	..	..	..	..	..	..
Ironwood	23,150	2,320	..	..	25,470	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	3,236	..	..	..	3,236	..	..	..	..	..	..	..	..	..	..	..
Hopea	4,918	1,131	..	..	6,049	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	35,274	4,455	..	..	39,729	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	145,552	888,539	26,281	1,773	1,062,145	..	..	..	..	..	..	..	..	..	..	..
Total ..	392,945	918,978	26,281	1,773	1,339,977	3,003,571	6,445,968	6,828	257,574	9,713,941	11,053,918	376,119	22,552,697	127,105	21,289	23,077,210
Reserved lands—																
Teak	33,935	4,890	..	..	38,825	..	..	..	..	..	..	..	..	..	..	..
Rosewood	15	71	..	..	86	..	..	..	..	..	..	..	..	..	..	..
Vengai	286	..	..	..	286	..	..	..	..	..	..	..	..	..	..	..
Sal	..	402	..	..	402	..	..	..	..	..	..	..	..	..	..	..
Ironwood	10,897	8,512	60	..	19,469	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	16	..	..	..	16	..	..	..	..	..	..	..	..	..	..	..
Hopea	218	613	..	..	831	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,296	2,506	20	..	7,822	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	36,303	75,299	3,740	..	115,342	..	..	..	..	..	..	..	..	..	..	..
Total ..	86,966	92,293	3,820	..	183,079	156,161	525,983	..	..	682,144	865,223	1,606	611,033	23,380	..	636,019
Unreserved lands—																
Teak	108	212,827	..	..	212,935	..	..	..	..	..	..	..	..	..	..	..
Rosewood	3	119	..	..	122	..	..	..	..	..	..	..	..	..	..	..
Vengai	48	6,913	..	..	6,961	..	..	..	..	..	..	..	..	..	..	..
Sal	5,700	12,445	..	..	18,145	..	..	..	..	..	..	..	..	..	..	..
Ironwood	124	310	333	..	767	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	17	..	..	..	17	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	135	343	..	478	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	342	65,584	20	..	65,946	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	81,071	892,454	27,583	..	1,001,108	..	..	..	..	..	..	..	..	..	..	..
Total ..	87,418	1,190,787	28,279	..	1,306,479	50,652	4,107,779	2,360	..	4,160,791	5,467,270	7,200	4,092,766	16,030	..	4,115,996

Outturn (in cubic feet, solid) of Timber and Fuel during the year 1899–1900, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Presidency Abstract																
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Tectona grandis (Teak) ..	143,676	236,777	..	..	380,453	..	..	..	..	..	..	..	..	..	..	..
Dalbergia latifolia (Rosewood).	3,183	2,237	..	..	5,420	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus marsupium (Vengai)	16,032	8,219	..	..	24,251	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus santalinus (Redwood)	43,623	120	..	..	43,743	..	..	..	..	..	..	..	..	..	..	..
Shorea robusta (Sâl)	14,396	12,847	..	..	27,243	..	..	..	..	..	..	..	..	..	..	..
Xylia dolabriformis (Ironwood).	34,171	11,142	393	..	45,706	..	..	..	..	..	..	..	..	..	..	..
Santalum album (Sandalwood).	3,269	..	..	..	3,269	..	..	..	..	..	..	..	..	..	..	..
Hopea parviflora	5,136	1,879	343	..	7,358	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	40,912	72,545	40	..	113,497	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	262,926	1,856,292	57,604	1,773	2,178,595	..	..	..	..	..	..	..	..	..	..	..
Presidency total ..	567,324	2,202,058	58,380	1,773	2,829,535	3,210,384	11,079,730	9,188	257,574	14,556,876	17,386,411	394,925	27,256,496	166,515	21,289	27,829,225

Annual Form No. 56.

Forest Department, Madras Presidency.

Outturn of Minor Forest Produce during the year 1899–1900.

Circle.	Description of produce.	Produce removed or utilized. By Government Agency. Quantity.	By Government Agency. Value.	By purchasers. Quantity.	By purchasers. Value.	By free grants. Quantity.	By free grants. Value.	By right-holders. Quantity.	By right-holders. Value.	Total. Quantity.	Total. Value.
1	2	3	4	5	6	7	8	9	10	11	12
			RS.		RS.		RS.		RS.		RS.
Northern Circle.	Grass and grazing	MDS. 672	32	..	1,79,051	..	..	..	700	..	1,79,783
	Stones, gravel, earth, &c. ..	..	..	C. L. 23,000	5,393	C. L. 1,100	225	..	..	..	5,618
	Tamarind, soapnuts, gallnuts	..	..	..	8,741	..	..	..	100	..	8,841
	Horns, honey, wax, &c. ..	..	..	..	818	..	..	..	..	..	818
	Tangedu, &c. barks	..	..	..	58,455	..	..	..	..	..	58,455
	Miscellaneous	MDS. 3,851	338	..	1,59,876	..	24	..	38,750	..	1,98,988
	Total ..	MDS. 4,523	370	..	4,12,334	..	249	..	39,550	..	4,52,503
Central Circle.	Grass and grazing	..	..	..	2,24,962	..	1,515	..	356	..	2,26,833
	Stones, gravel, earth, &c. ..	..	..	C. L. 34,167	3,584	C. L. 200	623	..	..	..	4,207
	Tamarind, soapnuts, gallnuts	MDS. 1,094	667	..	223	..	..	..	..	..	890
	Horns, honey, wax, nux vomica	,, 3,746	3,223	..	..	..	..	..	..	..	3,223
	Tangedu, &c. barks	..	..	..	33,801	..	..	..	..	..	33,801
	Mica	..	..	..	* 18,407	..	..	..	..	..	18,407
	Miscellaneous	MDS 10,842	2,068	..	1,38,698	..	578	..	..	..	1,41,344
	Total ..	MDS. 15,682	5,958	..	4,19,675	..	2,716	..	356	..	4,28,705
Southern Circle.	Grass and grazing	..	..	..	86,266	..	..	..	87	..	86,353
	Stones, gravel, earth, &c. ..	..	..	C. L. 20,415 C. FT. 7,432 TONS. 320	1,630	..	..	..	..	..	1,630
	Tamarind, soapnuts, gallnuts	MDS. 16,152	15,649	..	2,179	..	..	..	..	..	17,828
	Horns, honey, wax, &c. ..	,, 1,314	5,971	..	19	..	..	..	..	..	5,990
	Tangedu, &c. barks	,, 1,091	4,364	..	3,277	..	..	..	..	..	7,641
	Catechu	,, 1,414	10,812	..	..	..	..	..	..	..	10,812
	Miscellaneous	,, 3,172	6,241	..	82,003	..	98	..	68	..	88,410
	Total ..	MDS. 23,143	43,037	..	1,75,374	..	98	..	155	..	2,18,664
	Grand Total ..	MDS. 43,348	49,365	..	10,07,383	..	3,063	..	40,061	..	10,99,872

* Under mica there is an amount of Rs. 38,669 outstanding, being royalty due to the department, but awaiting the production of brokers' certificate.

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber cut or collected by Government Agency and brought to depots, sold locally, &c., or otherwise disposed of during the year 1899–1900.

Name of district.	Balance at commencement of the year in forests and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at the close of the year in forests and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	6,107	121,649	127,756	89,740	38,016
Vizagapatam	..	472	472	369	103
Gódávari	1,738	4,360	6,098	1,784	4,314
Kistna	..	4,618	4,618	4,618	..
Kurnool	7,142	13,775	20,917	13,739	7,178
Bellary	20,393	23,297	43,690	30,661	13,029
Anantapur	..	..	..	..	..
Total	35,380	168,171	203,551	140,911	62,640
Central Circle.					
Cuddapah	94	54,143	54,237	14,049	40,188
Nellore	..	420	420	420	..
Chingleput	..	..	..	..	..
North Arcot	..	1,069	1,069	1,069	..
South Arcot	23	380	403	1	402
Salem	350	2,149	2,499	1,534	965
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total	467	58,161	58,628	17,073	41,555
Southern Circle.					
South Canara	53,137	32,259	85,396	15,508	69,888
Malabar (North)	101,168	116,019	217,187	39,253	177,934
Do. (South)	193,003	96,499	289,502	112,044	177,458
Nilgiris	9,218	28,473	37,691	6,311	31,380
Coimbatore (North)	1,868	7,529	9,397	8,151	1,246
Do. (South)	164,976	54,397	219,373	18,336	201,037
Madura	..	795	795	795	..
Tinnevelly	1,714	5,021	6,735	2,248	4,487
Total	525,084	340,992	866,076	202,646	663,430
Grand Total	560,931	567,324	1,128,255	360,630	767,625

Name of district.	Balance at commencement of the year in forests and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at the close of the year in forests and sale depots.
FUEL (cubic feet).					
Northern Circle.					
Ganjám	..	660	660	660	..
Vizagapatam	..	27,936	27,936	27,936	..
Gódávari	..	..	..	..	..
Kistna	..	1,340	1,340	1,340	..
Kurnool	6,150	109,494	115,644	5,068	110,576
Bellary	84,400	150,752	235,152	195,426	39,726
Anantapur	..	..	..	..	..
Total	90,550	290,182	380,732	230,430	150,302
Central Circle.					
Cuddapah	3,080	15,159	18,239	13,614	4,625
Nellore	69,975	543,449	613,424	509,305	104,119
Chinglepat	2,352	32,697	35,049	34,939	110
North Arcot	31,360	12,873	44,233	29,150	15,083
South Arcot	500	14,603	15,103	13,930	1,173
Salem	8,250	1,512,742	1,520,992	1,495,903	25,089
Trichinopoly	102,291	75,258	177,549	138,024	39,525
Tanjore	..	..	..	..	..
Total	217,808	2,206,781	2,424,589	2,234,865	189,724
Southern Circle.					
South Canara	2	17,810	17,812	8,460	9,352
Malabar (North)	..	1,400	1,400	930	470
Do. (South)	..	648	648	488	160
Nilgiris	346,220	381,380	727,600	301,835	425,765
Coimbatore (North)	..	2,924	2,924	2,924	..
Do. (South)	74,510	268,903	343,413	128,693	214,720
Madura	1,520	12,975	14,495	11,838	2,657
Tinnevelly	800	27,381	28,181	28,181	..
Total	423,052	713,421	1,136,473	483,349	653,124
Grand Total	731,410	3,210,384	3,941,794	2,948,644	993,150

Account of Timber cut or collected by Government Agency and brought to depots, sold locally, &c., or otherwise disposed of during the year 1899–1900—*cont.*

Name of district.	Balance at commencement of the year in forests and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at the close of the year in forests and sale depots.
1	2	3	4	5	6
MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	..	..	..	..
Vizagapatam	..	3,178	3,178	2,718	460
Gódávari	..	..	..	..	..
Kistna	175	14	189	185	4
Kurnool	42	..	42	..	42
Bellary	..	1,331	1,331	1,331	..
Anantapur	..	..	..	..	..
Total ..	217	4,523	4,740	4,234	506
Central Circle.					
Cuddapah	67	147	214	212	2
Nellore	2,181	8,208	10,389	7,261	3,128
Chingleput	30	3	33	33	..
North Arcot	..	127	127	127	..
South do.	..	986	986	986	..
Salem	..	6,205	6,205	5,793	412
Trichinopoly	25	..	25	..	25
Tanjore	..	6	6	..	6
Total ..	2,303	15,682	17,985	14,412	3,573
Southern Circle.					
South Canara	16	1,831	1,847	1,680	167
Malabar (North)	124	..	124	124	..
Do. (South)	137	191	328	169	159
Nilgiris	191	3,576	3,767	1,322	2,445
Coimbatore (North)	12,147	13,951	26,098	14,935	11,163
Do. (South)	99	3,343	3,442	3,380	62
Madura	..	49	49	49	..
Tinnevelly	..	202	202	202	..
Total ..	12,714	23,143	35,857	21,861	13,996
Grand Total ..	15,234	43,348	58,582	40,507	18,075
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	..	..	..	..	..
Vizagapatam	..	..	..	..	..
Gódávari	..	..	..	..	..
Kistna	..	1,205	1,205	5	1,200
Kurnool	580	3,735	4,315	4,235	80
Bellary	1,699	306	2,005	1,212	793
Anantapur	..	..	..	..	..
Total ..	2,279	5,246	7,525	5,452	2,073
Central Circle.					
Cuddapah	..	8,400	8,400	8,400	..
Nellore	..	..	..	..	..
Chingleput	..	..	..	..	..
North Arcot	296	2,834	3,130	2,810	320
South do.	..	63,033	63,033	62,124	909
Salem	3	6,700	6,703	6,703	..
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	299	80,967	81,266	80,037	1,229
Southern Circle.					
South Canara	..	915	915	619	296
Malabar (North)	..	3,100	3,100	1,100	2,000
Do. (South)	9,655	41,137	50,792	24,467	26,325
Nilgiris	..	..	..	..	..
Coimbatore (North)	57,695	253,560	311,255	294,715	16,540
Do. (South)	..	..	..	..	..
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	67.350	298,712	366,062	320,901	45,161
Grand Total ..	69,928	384,925	454,853	406,390	48,463

Annual Form No. 72-A (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce cut, collected and removed by Consumers or Purchasers during 1899–1900.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales.											
				Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
Northern Circle.	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	136,405	630,670	1,469,440	11,431	11,431	8,304	8,304	5,560	5,560	7,942	7,942	3,374	3,374	36,611	36,611
Vizagapatam	58,379	258,125	681,422	4,368	4,368	5,735	5,735	6,373	6,373	3,249	3,249	9,218	9,218	28,943	28,943
Gódávari	635,623	628,019	9,104,781	81,571	81,571	7,312	10,912	41,932	41,932	11,861	11,873	28,589	28,530	1,71,265	1,74,818
Kistna	175,300	435,952	197,660	11,707	11,709	11,913	12,599	1,842	1,842	75,207	75,207	21,973	18,554	1,22,642	1,19,911
Kurnool	230,569	325,989	3,719,975	23,267	23,270	9,705	9,706	16,468	16,468	39,218	39,220	44,032	32,773	1,32,690	1,21,437
Bellary	59,636	315,910	95,735	4,297	4,297	6,705	7,005	1,914	1,914	33,344	33,344	59,915	49,902	1,06,175	96,462
Anantapur	17,604	104,309	4,675	2,720	2,720	2,190	2,190	117	117	8,230	8,230	66,182	50,091	79,439	63,348
Total ..	1,313,516	2,698,974	15,273,688	1,39,361	1,39,366	51,864	56,451	74,206	74,206	1,79,051	1,79,065	2,33,283	1,92,442	6,77,765	6,41,580
Central Circle.															
Cuddapah	166,471	529,019	1,390,786	14,930	13,989	13,478	11,296	4,731	4,678	34,520	34,520	53,370	48,342	1,21,029	1,12,825
Nellore	61,393	106,030	2,072	8,012	8,012	16,229	9,995	93	93	37,237	37,237	43,501	43,451	1,05,072	98,788
Chingleput	75,607	186,003	38,560	6,498	6,498	12,217	12,419	81	81	13,477	13,477	7,814	9,842	40,087	42,317
North Arcot	58,056	228,064	55,175	10,975	7,974	34,200	32,356	31,306	28,095	31,119	31,119	33,785	33,317	1,41,335	1,32,861
South do.	24,737	256,942	773,580	3,044	3,044	17,579	15,873	1,884	1,884	39,529	39,529	13,114	20,993	75,150	81,323
Salem	100,650	214,632	6,199,719	15,638	16,472	14,164	9,757	39,668	39,668	52,757	52,757	31,006	47,451	1,53,233	1,66,105
Trichinopoly	25,133	1,768,086	153,164	2,337	2,337	31,770	28,089	2,161	2,162	15,286	14,720	8,706	12,639	60,260	59,947
Tanjore	9,512	470,240	2,268	605	605	9,842	9,388	236	336	1,037	1,037	3,467	4,531	15,187	15,897
Total ..	516,559	3,759,016	8,615,324	62,039	58,931	1,49,479	1,29,173	80,160	76,997	2,24,962	2,24,396	1,94,713	2,20,566	7,11,353	7,10,063
Southern Circle.															
South Canara	7,923	881,728	103,200	2,641	2,641	19,379	13,777	1,549	1,549	5,208	5,251	12,440	9,496	41,217	32,714
North Malabar	15,645	2,580	10,733	8,396	8,396	40	40	180	180	937	937	3,745	1,999	13,298	11,552
South do.	56,786	28,182	99,864	13,949	9,338	381	381	1,984	1,984	108	108	971	1,286	17,393	13,097
Nilgiris	5,442	20,879	309,082	1,113	1,113	2,560	2,560	3,349	3,349	7,977	7,977	900	900	15,899	15,899
North Coimbatore ..	30,895	264,999	1,563,484	3,178	3,178	12,649	12,649	4,920	4,920	46,142	46,137	6,166	5,606	73,055	72,490
South do.	15,791	858,446	1,160,080	5,923	5,923	10,929	12,127	4,379	4,379	6,967	6,967	6,925	6,656	35,123	36,052
Madura	196,131	327,843	105,866	14,737	14,737	13,451	13,307	3,710	3,710	13,439	13,439	35,052	25,791	80,389	70,984
Tinnevelly	43,870	2,237,083	15,175	4,638	4,314	46,119	43,902	176	311	5,488	5,488	22,909	20,410	79,330	74,425
Total ..	371,983	4,621,740	3,367,484	54,575	49,640	1,05,508	98,743	20,247	20,382	86,266	86,304	89,108	72,144	3,55,704	3,27,213
Grand Total ..	2,202,058	11,079,730	27,256,496	2,55,975	2,47,937	3,06,851	2,84,367	1,74,613	1,71,585	4,90,279	4,89,765	5,17,104	4,85,152	17,44,822	16,78,806

Add outstandings at the close of 1898–99 *revised as per* Form No. 61 ..	1,44,571
Total ..	18,89,393
Deduct amount realized as per Form No. 59 and written off (Rs. 14,149) as per Form No. 61 ..	16,92,955
Balance outstanding on 30th June 1900 ..	1,96,438

Annual Form No. 72-B (Old Code).

Forest Department, Madras Presidency.

Timber and other Produce Confiscated and Sold during the year 1899–1900.

District.	Timber. Quantity in cubic feet.	Timber. Amount of sales.	Firewood. Quantity in cubic feet.	Firewood. Amount of sales.	Bamboos. Number.	Bamboos. Amount of sales.	Minor produce in value.	Total amount of sales.	Amount actually realized.
Northern Circle.		RS.		RS.		RS.	RS.	RS.	RS.
Ganjám	2,015	393	189	5	1,395	4	1	403	403
Vizagapatam ..	242	25	402	10	600	5	18	58	58
Gódávari	40,656	3,453	2,178	39	5,554	160	10	3,662	2,750
Kistna	866	54	514	11	1,067	5	6	76	76
Kurnool	8,095	948	500	50	4,786	11	48	1,057	1,063
Bellary	104	14	1,644	173	..	..	..	187	187
Anantapur	1	..	36	..	..	..	..	..	..
Total ..	51,979	4,887	5,463	288	13,402	185	83	5,443	4,537
Central Circle.									
Cuddapah	4,111	585	249	12	1,312	10	14	621	621
Nellore	4,500	216	1,250	80	..	..	..	296	296
Chingleput	161	25	22	2	..	..	5	32	32
North Arcot ..	231	60	192	13	1	..	17	90	90
South do. ..	814	102	1,909	64	128	2	33	201	201
Salem	1,235	186	205	7	2,193	65	3	261	261
Trichinopoly ..	8	2	2,674	138	316	3	28	171	171
Tanjore	25	2	1,240	94	..	..	1	97	97
Total ..	11,085	1,178	7,741	410	3,950	80	101	1,769	1,769
Southern Circle.									
South Canara ..	4,179	1,475	5,045	473	192	21	45	2,014	2,041
Malabar, North ..	..	..	..	..	..	..	1	1	1
Do. South ..	175	16	64	1	5	1	..	18	18
Nílgiris	4	14	2	..	8	..	..	14	14
Coimbatore, North ..	666	128	1,556	38	21,480	131	12	309	309
Do. South ..	2,603	231	264	12	1,825	10	18	271	271
Madura	1,261	125	866	38	..	..	8	171	171
Tinnevelly	107	59	15,110	651	8,671	99	23	832	816
Total ..	8,995	2,048	22,907	1,213	32,181	262	107	3,630	3,641
Grand Total ..	72,059	8,113	36,111	1,911	49,533	527	291	10,842	9,947

Add outstandings at the close of 1898–99 as revised (*vide* Form No. 61) ..	49
Total ..	10,891
Deduct amount realized as per Form No. 59 ..	9,947
Balance outstanding on 30th June 1900 ..	944

ANNUAL FORM No. 58.

Forest Department, Madras Presidency.

ABSTRACT showing the Value of Timber and other Produce at sale depots for the year 1899–1900.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám	Sal	..	3,917	1,469	..	10,728	4,023	2,554	..
	Miscellaneous	..	2,190	548	..	27,288	6,822	6,274	..
	Total, timber	..	6,107	2,017	..	38,016	10,845	8,828	..
Vizagapatam.	Miscellaneous timber	..	..	..	..	103	26	26	..
	Minor produce	..	..	..	MDS. 460	..	3	3	..
Gódávari	Teak	..	.	..	..	34	8	8	..
	Rosewood	..	..	..	..	3	1	1	..
	Miscellaneous	..	1,738	3,000	..	4,277	2,859	..	141
	Total, timber	..	1,738	3,000	..	4,314	2,868	9	141
Kistna	Bamboos	..	..	..	1,200	..	23	23	..
	Minor produce	MDS. 175	..	350	MDS. 4	..	8	..	342
Kurnool	Teak	..	827	827	..	398	398	..	429
	Miscellaneous	..	6,315	3,348	..	6,780	3,390	42	..
	Total, timber	..	7,142	4,175	..	7,178	3,788	42	429
	Fuel	..	6,150	338	..	110,576	5,528	5,190	..
	Bamboos	580	..	11	80	..	2	..	9
	Minor produce	MDS. 42	..	42	42	..	42	..	..
Bellary	Teak	..	2,472	3,125	..	427	22	..	3,103
	Miscellaneous	..	17,921	2,055	..	12,602	504	..	1,551
	Total, timber	..	20,393	5,180	..	13,029	526	..	4,654
	Fuel	..	84,400	11,253	..	39,726	5,904	..	5,349
	Bamboos	1,699	.	98	793	..	45	..	53
Anantapur.	....	..	..	..	..	..	..	..	..
	Central Circle.								
Cuddapah	Redwood	..	..	..	..	40,155	13,050	13,050	..
	Miscellaneous	..	94	25	..	33	30	5	..
	Total, timber	..	94	25	..	40,188	13,080	13,055	..
	Fuel	..	3,080	159	..	4,625	236	77	..
	Minor produce	MDS. 67	..	129	MDS. 2	..	11	..	118
Nellore	Fuel	..	69,975	12,110	..	104,119	13,822	1,712	..
	Minor produce	MDS. 2,181	..	1,207	MDS. 3,128	..	2,425	1,218	..
Chingleput.	Fuel	..	2,352	235	..	110	11	..	224
	Minor produce	MDS. 30	..	45	..	..	..	..	45
North Arcot.	Fuel	..	31,360	1,677	..	15,083	927	..	750
	Bamboos	296	..	9	320	..	19	10	..
South Arcot.	Teak	..	..	..	..	190	95	95	..
	Sandalwood	..	..	..	..	70	300	300	..
	Miscellaneous	..	23	6	..	142	18	12	..
	Total, timber	..	23	6	..	402	413	407	..
	Fuel	..	500	12	..	1,173	73	61	..
	Bamboos	..	..	..	909	..	14	14	..
Salem	Sandalwood	..	350	3,500	..	643	6,430	2,930	..
	Miscellaneous	..	..	..	..	322	322	322	..
	Total, timber	..	350	3,500	..	965	6,752	3,252	..

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	Central Circle—cont.			RS.			RS.	RS.	RS.
Salem—*cont.*	Fuel	..	8,250	245	..	25,089	392	147	..
	Bamboos	3	..	1	..	..	..	..	1
	Minor produce	..	..	..	MDS. 412	..	28	28	..
Trichinopoly	Fuel	..	102,291	6,966	..	39,525	4,246	..	2,720
	Minor produce	MDS. 25	..	37	25	..	37	..	..
Tanjore	Minor produce	..	..	..	MDS. 6	..	5	5	..
	Southern Circle.								
South Canara.	Teak	..	18	18	..	..	..	..	18
	Rosewood	..	889	1,710	..	101	177	..	1,533
	Miscellaneous	..	52,230	36,540	..	69,787	49,937	13,397	..
	Total, timber	..	53,137	38,268	..	69,888	50,114	13,397	1,551
	Fuel	..	2	..	..	9,352	1,519	1,519	..
	Bamboos	..	..	..	296	..	44	44	..
	Minor produce	MDS. 16	..	16	MDS. 167	..	167	151	..
North Malabar.	Teak	..	39,786	24,011	..	61,419	30,709	6,698	..
	Rosewood	..	1,839	690	..	1,294	647	..	43
	Vengai	..	5,955	1,861	..	12,930	6,465	4,604	..
	Miscellaneous	..	53,588	15,624	..	102,291	26,843	11,219	..
	Total, timber	..	101,168	42,186	..	177,934	64,664	22,521	43
	Fuel	..	..	..	..	470	60	60	..
	Bamboos	..	..	..	2,000	..	150	150	..
	Minor produce	MDS. 124	..	3,724	..	..	..	..	3,724
South Malabar.	Teak	..	22,269	65,000 (Teak to Miscellaneous)	..	15,668	60,597 (Teak to Miscellaneous)	..	4,403
	Rosewood	..	1,929			1,314			
	Vengai	..	659			179			
	Ironwood	..	..			38,358			
	Terminalia tomentosa	..	..			75,343			
	Miscellaneous	..	168,146			46,596			
	Total, timber	..	193,003	65,000	..	177,458	60,597	..	4,403
	Fuel	..	..	..	..	160	18	18	..
	Bamboos	9,655	..	580	26,325	..	1,580	1,000	..
	Minor produce	MDS. 137	..	210	MDS. 159	..	490	280	..
Nilgiris	Teak	..	150	200	..	..	..	..	200
	Rosewood	..	3	3	..	..	..	..	3
	Vengai	..	5	3	..	..	..	..	3
	Miscellaneous	..	9,060	810	..	31,380	2,791	1,981	..
	Total, timber	..	9,218	1,016	..	31,380	2,791	1,981	206
	Fuel	..	346,220	2,971	..	425,765	3,367	396	..
	Minor produce	MDS. 191	..	191	MDS. 2,445	..	2,445	2,254	..
North Coimbatore.	Teak	..	..	..	..	473	800	800	..
	Vengai	..	298	270	..	423	450	180	..
	Sandalwood	..	787	7,022	..	232	446	..	6,576
	Miscellaneous	..	783	563	..	118	100	..	463
	Total, timber	..	1,868	7,855	..	1,246	1,796	980	7,039
	Bamboos	57,695	..	1,010	16,540	..	400	..	610
	Minor produce	MDS. 12,147	..	13,420	MDS. 11,163	..	12,776	..	644

Abstract showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year. Number.	Cubic feet.	Value.	On hand at close of the year. Number.	Cubic feet.	Value.	Difference in value. In favour of the year.	Against the year.
	Southern Circle—cont.			RS.			RS.	RS.	RS.
South Coimbatore.	Teak	..	38,882	77,764	..	476	952	..	76,812
	Rosewood ..	..	2,315	2,315	..	176	352	..	1,963
	Vengai	..	351	272	..	..	..	..	272
	Ironwood ..	..	1,770	900	..	..	..	..	900
	Terminalia tomentosa	..	..	..	..	5,628	4,159	4,159	..
	Miscellaneous ..	..	121,658	85,120	..	194,757	1,35,360	50,240	..
	Total, timber ..	..	164,976	1,66,371	..	201,037	1,40,823	54,399	79,947
	Fuel	..	74,510	1,424	..	214,720	2,963	1,539	..
	Minor produce ..	MDS. 99	..	99	MDS. 62	..	62	..	37
Madura ..	Fuel	..	1,520	281	..	2,657	418	137	..
Tinnevelly ..	*Hopea*	..	..	..	..	4,445	6,665	6,665	..
	Miscellaneous ..	..	1,714	2,261	..	42	42	..	2,219
	Total, timber ..	..	1,714	2,261	..	4,487	6,707	6,665	2,219
	Fuel	..	800	64	..	..	..	..	64

ABSTRACT.

Description	Number	Cubic feet	Value	Number	Cubic feet	Value	In favour of the year	Against the year
Northern Circle.			RS.			RS.	RS.	RS.
Timber	..	35,380	14,372	..	62,640	18,053	3,681	..
Fuel	..	90,550	11,591	..	150 302	11,432	..	159
Bamboos ..	2,279	..	109	2,073	..	70	..	39
Minor produce ..	MDS. 217	..	392	MDS. 506	..	53	..	339
Central Circle.								
Timber	..	467	3,531	..	41,555	20,245	16,714	..
Fuel	..	217,808	21,404	..	189,724	19,707	..	1,697
Bamboos ..	299	..	10	1,229	..	33	23	..
Minor produce ..	MDS. 2,303	..	1,418	MDS. 3,573	..	2,506	1,088	..
Southern Circle.								
Timber	..	525,084	3,22,957	..	663,430	3,27,492	4,535	..
Fuel	..	423,052	4,740	..	653,124	8,345	3,605	..
Bamboos ..	67,350	..	1,590	45,161	..	2,174	584	..
Minor produce ..	MDS. 12,714	..	17,660	MDS. 13,996	..	15,940	..	1,720

GRAND TOTAL.

Description	Number	Cubic feet	Value	Number	Cubic feet	Value	In favour of the year	Against the year
			RS.			RS.	RS.	RS.
Timber	..	560,931	3,40,860	..	767,625	3,65,790	24,930	..
Fuel	..	731,410	37,735	..	993,150	39,484	1,749	..
Bamboos ..	69,928	..	1,709	48,463	..	2,277	568	..
Minor produce ..	MDS. 15,234	..	19,470	MDS. 18,075	..	18,499	..	971

Annual Form No. 59.

Summary of Revenue of the different Districts for the Forest year 1899–1900.

Budget heads.	Northern Circle. Direction.	Ganjám.	Vizagapatam.	Godávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Central Circle. Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—														
(a) Timber	..	7,072	11	72	364	9,908	2,386	..	19,813	..	..	2,251	..	146
(b) Firewood and charcoal	..	18	1,093	..	72	432	21,346	..	22,961	..	57,614	562	3,370	2,104
(c) Bamboos	..	..	..	..	..	78	58	..	136	..	..	66	..	34
(d) Sandalwood	..	..	..	..	..	..	18	..	18	..	..	..	..	..
(e) Grass and other minor produce	..	..	36	..	29	2	305	..	372	..	5,349	187	11	91
II. Timber and other produce removed from the forests by consumers or purchasers—														
(a) Timber	..	11,431	4,368	81,571	11,709	23,270	4,297	2,720	1,39,366	..	8,012	13,989	6,498	7,974
(b) Firewood and charcoal	..	8,304	5,735	10,912	12,599	9,706	7,005	2,190	56,451	..	9,995	11,296	12,419	32,356
(c) Bamboos	..	5,560	6,373	41,932	1,842	16,468	1,914	117	74,206	..	93	4,678	81	28,095
(d) Grazing and fodder grass	..	7,942	3,249	11,873	75,207	39,220	33,344	8,230	1,79,065	..	37,237	34,520	13,477	31,119
(e) Other produce	..	3,374	9,218	28,530	18,554	32,773	49,902	50,091	1,92,442	..	43,451	48,342	9,842	33,317
III. Confiscated drift and waifwood	..	403	58	2,750	76	1,063	187	..	4,537	..	296	621	32	90
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—														
(a) Fines and forfeitures	..	..	..	55	19	1	13	50	138	..	24	163	120	623
(b) Other sources	..	578	1,185	3,305	7,534	5,283	4,337	2,227	24,449	..	3,321	3,329	318	958
Total, Receipts	..	44,682	31,326	1,81,000	1,28,005	1,38,204	1,25,112	65,625	7,13,954	..	1,65,392	1,20,004	46,168	1,36,907

Budget heads.	Central Circle—*cont.* South Arcot.	Salem.	Trichinopoly	Tanjore.	Total.	Southern Circle. Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—															
(a) Timber	29	1,084	..	..	3,510	..	2,288	1,546	13,905	205	3,212	53,252	67,604	6,497	1,48,509
(b) Firewood and charcoal	164	1,28,968	9,012	..	2,01,794	..	13,921	59	2,100	906	1,825	68	33	533	19,445
(c) Bamboos	289	270	..	..	659	..	..	6,030	..	..	..	269	832	3	7,134
(d) Sandalwood	..	1,972	..	..	1,972	..	1,019	25,373	..	..	..	..	..	..	26,392
(e) Grass and other minor produce	16	38	6	..	5,698	..	1,840	19,383	8,392	2	7	1,096	278	12,183	43,181
II. Timber and other produce removed from the forests by consumers or purchasers—															
(a) Timber	3,044	16,472	2,337	605	58,931	..	1,113	3,178	5,923	14,737	4,314	8,396	9,338	2,641	49,640
(b) Firewood and charcoal	15,873	9,757	28,089	9,388	1,29,173	..	2,560	12,649	12,127	13,307	43,902	40	381	13,777	98,743
(c) Bamboos	1,884	39,668	2,162	336	76,997	..	3,349	4,920	4,379	3,710	311	180	1,984	1,549	20,382
(d) Grazing and fodder grass	39,529	52,757	14,720	1,037	2,24,396	..	7,977	46,137	6,967	13,439	5,488	937	108	5,251	86,304
(e) Other produce	20,993	47,451	12,639	4,531	2,20,566	..	900	5,606	6,656	25,791	20,410	1,999	1,286	9,496	72,144
III. Confiscated drift and waifwood	201	261	171	97	1,769	..	14	309	271	171	816	1	18	2,041	3,641
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—															
(a) Fines and forfeitures	478	2,478	164	53	4,103	..	..	10	71	258	513	56	..	116	1,024
(b) Other sources	952	17,858	4,912	1,877	33,525	..	12,776	1,612	29,366	623	3,675	6,153	2,376	3,340	59,921
Total, Receipts	83,452	3,19,034	74,212	17,924	9,63,093	..	47,757	1,26,812	90,157	73,149	84,473	72,447	84,238	57,427	6,36,460

Madras, 18th August 1900.

(Signed) W. I. Bryning, Chief Superintendent.

ANNUAL FORM No. 59—*cont.*

Forest Department, Madras Presidency, Northern Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1899-1900.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks—Revenue Refunds.		15	1	133	159	337	158	582	1,385
I. Timber and other produce removed from the forests by Government Agency—									
(a) Timber	..	4,193	257	603	..	6,209	300	5	11,567
(b) Firewood and charcoal	..	..	756	..	92	1,454	13,521	..	15,823
(c) Bamboos	..	..	..	..	12	47	7	..	66
(d) Sandalwood ..	..	..	..	..	..	..	..	..	..
(e) Grass and other minor produce ..	..	..	17	..	3	..	104	..	124
II. Timber and other produce removed from the forests by consumers or purchasers	124	5,281	4,861	12,460	7,439	18,080	3,292	1,194	52,731
III. Confiscated, drift and waif-wood	..	48	54	439	5	69	6	1	622
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	..	..	..	..	10,000	..	10,000
VI. Live-stock, stores, tools and plant—									
(a) Purchase of cattle ..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle	..	..	798	1,353	..	521	..	..	2,672
(c) Stores, tools and plant	2,951	54	220	1,412	460	3	24	23	5,147
VII. Communications and buildings—									
(a) Roads and bridges ..	237	692	1,230	5,116	1,556	2,605	126	1,073	12,635
(b) Buildings	59	2,051	1,430	2,200	338	3,242	1,149	2,282	12,751
(c) Other works ..	..	280	97	1,110	922	750	..	..	3,159
VIII. Demarcation, improvement and extension of forests—									
(a) Demarcation ..	..	1,934	3,088	10,946	3,699	4,736	1,161	539	26,103
(b) Cost of forest settlement; compensation for land and rights	..	..	8,149	38	1,782	446	309	..	10,724
(c) Surveys (1) Local ..	542	1,459	843	1,743	1,773	2,015	475	341	9,191
(c) Surveys (2) Survey of India ..	15,068	..	..	..	..	..	..	..	15,068
(d) Working plans ..	1,543	..	..	110	..	..	..	..	1,653
(e) Sowing and planting.	347	404	378	3,469	2,152	476	1,349	474	9,049
(f) Protection from fire.	..	894	442	2,314	269	2,333	1,593	1,100	8,945
(g) Other works ..	..	258	..	..	11,360	325	3,767	3,311	19,021
IX. Miscellaneous—									
(a) Law charges ..	1	6	210	9	71	3	..	..	300
(b) Other charges ..	235	5	142	209	43	3	10	14	661
Total, I.—Refunds and Drawbacks—Revenue Refunds and A—Conservancy and works	21,107	17,574	22,973	43,664	32,135	43,654	37,351	10,939	2,29,397

MADRAS,
18th August 1900.

(Signed) W. I. BRYNING,
Chief Superintendent.

ANNUAL FORM No. 59—*cont*

Forest Department, Madras Presidency, Central Circle.

SUMMARY of Expenditure of the different Districts for the Forest year 1899–1900—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks— Revenue Refunds.		2,035	37	116	912	290	637	360	211	4,598
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	40	7,374	..	52	114	984	..	..	8,564
(*b*) Firewood and charcoal ..	..	26,502	25	842	761	139	79,586	2,424	..	1,10,279
(*c*) Bamboos ..	..	..	52	..	247	198	123	..	..	620
(*d*) Sandalwood ..	..	..	..	..	..	37	322	..	..	359
(*e*) Grass and other minor produce ..	..	3,419	45	..	13	10	154	8	..	3,649
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	4,855	10,007	2,179	946	2,538	9,553	2,009	487	32,574
III. Confiscated, drift and waifwood	..	..	55	..	8	..	27	15	..	105
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	20	..	..	20
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	138	..	..	..	..	..	..	..	138
(*b*) Feed and keep of cattle ..	..	17	2	..	..	..	..	..	..	19
(*c*) Stores, tools and plant ..	3,223	1,338	912	1	734	1	271	9	2	6,491
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	..	312	287	3,617	262	714	40	..	5,232
(*b*) Buildings ..	11	517	1,482	1,347	4,729	381	2,867	298	39	11,671
(*c*) Other works ..	..	..	327	220	153	26	246	..	..	972
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	2,701	1,361	743	625	1,930	632	104	..	8,096
(*b*) Cost of forest settlement; compensation for land and rights ..	..	16	37	459	560	..	77	34	..	1,183
(*c*) Surveys (1) Local.	296	924	353	375	838	460	574	366	..	4,186
(*c*) Surveys (2) Survey of India ..	20,685	..	..	..	..	..	..	..	..	20,685
(*d*) Working plans.	..	600	36	..	..	..	28	63	..	727
(*e*) Sowing and planting ..	..	9,151	1,120	505	1,932	3,024	116	882	1,175	17,905
(*f*) Protection from fire	..	1,183	5,572	543	4,978	954	1,268	139	..	14,637
(*g*) Other works ..	..	1,219	3,443	2,152	8,171	5,697	7,819	2,982	455	31,938
IX. Miscellaneous—										
(*a*) Law charges ..	..	..	2	11	5	..	5	..	..	23
(*b*) Other charges ..	81	5	28	6	207	67	305	78	1	778
Total, I.—Refunds and Drawbacks—Revenue Refunds and A—Conservancy and works.	24,296	54,660	32,582	9,786	29,488	16,128	1,06,328	9,811	2,370	2,85,449

MADRAS,
18th August 1900.

(Signed) W. I. BRYNING,
Chief Superintendent.

Annual Form No. 59—*cont.*

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1899–1900—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks—Revenue Refunds.		60	1,027	1,117	23	1,152	8	2	71	3,460
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	1,882	985	11,597	96	4,731	3,332	17,479	8,536	48,638
(*b*) Firewood and charcoal ..	..	11,377	182	2,266	600	2,455	116	..	314	17,310
(*c*) Bamboos ..	..	..	3,796	..	..	..	155	2,028	..	5,979
(*d*) Sandalwood ..	..	166	3,707	..	..	..	..	..	..	3,873
(*e*) Grass and other minor produce.	..	2,191	10,184	4,279	..	1	251	323	4,419	21,648
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,047	3,448	5,696	2,653	867	403	25	4,254	18,393
III. Confiscated, drift and waifwood	..	..	48	25	5	10	2	..	394	484
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,500	..	2,500	..	..	..	..	..	7,000
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	..	..	..	1,212	..	..	3,797	1,091	..	6,100
(*b*) Feed and keep of cattle ..	..	2,730	..	5,835	..	..	14,055	8,799	1,063	32,482
(*c*) Stores, tools and plant ..	30	408	261	1,511	179	388	884	249	385	4,290
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	1,533	4,641	2,195	365	3,881	1,822	884	41	15,362
(*b*) Buildings ..	..	2,402	5,607	3,263	2,015	2,065	1,472	2,364	321	19,509
(*c*) Other works ..	..	180	..	3,654	111	204	638	89	141	5,017
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	2,644	1,627	134	1,058	262	380	40	5,817	11,962
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	..	15	32	..	203	250
(*c*) Surveys (1) Local ..	15	365	390	126	692	184	548	..	1,580	3,900
(*c*) Surveys (2) Survey of India.	33,260	..	..	..	..	..	..	..	..	33,260
(*d*) Working plans.	..	282	..	..	182	..	90	..	..	554
(*e*) Sowing and planting ..	..	7,924	190	171	1,247	405	2,197	7,728	125	19,987
(*f*) Protection from fire	..	2,473	604	2,188	1,672	850	1,251	2,509	985	12,532
(*g*) Other works ..	..	918	5,648	1,348	5,284	4,325	1,096	1,136	532	20,287
IX. Miscellaneous—										
(*a*) Law charges ..	..	..	1	8	27	..	..	143	24	203
(*b*) Other charges ..	89	3,109	140	989	138	126	190	181	113	5,075
Total, I.—Refunds and Drawbacks—Revenue Refunds and A—Conservancy and works.	33,394	46,191	42,486	50,114	16,347	21,916	32,719	45,070	29,318	3,17,555

Madras,
18th August 1900.

(Signed) W. I. Bryning,
Chief Superintendent.

Annual Form No. 59—*cont.*

Summary of Expenditure of the different Districts for the Forest year 1899–1900.

Budget heads.	Northern Circle. Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
1	2	3	4	5	6	7	8	9	10
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A, "Conservancy and Works"	21,107	17,574	22,973	43,664	32,135	43,654	37,351	10,939	2,29,397
I. Salaries—									
(a) Conservators ...	13,200	...	...	...	...	...	...	...	13,200
(b) Superior officers ...	18,900	7,811	5,466	13,935	4,800	10,178	6,500	10,891	78,481
(c) Subordinate forest and depot establishments ...	1,974	8,717	5,524	12,174	10,148	13,426	7,514	6,923	66,400
(d) Office establishments.	10,579	3,067	2,043	4,383	3,826	4,148	3,024	2,472	33,542
(e) Deputation and Special allowances.	...	...	...	...	...	...	...	...	...
(f) Exchange compensation allowances ...	1,492	476	164	656	254	572	63	85	3,762
II. Travelling allowances—									
(a) Conservators ...	4,369	...	...	...	...	...	...	...	4,369
(b) Superior officers ...	7,162	1,262	1,048	4,181	1,270	2,043	1,406	1,570	19,942
(c) Subordinate forest and depot establishments ...	616	2,118	1,435	3,028	3,010	3,892	2,289	1,611	17,999
(d) Office establishments	3,540	606	345	689	748	1,234	325	618	8,105
III. Contingencies—									
(a) Stationery ...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	236	62	443	199	140	167	112	166	1,525
(c) Official postage ...	673	539	289	1,053	1,189	808	657	587	5,795
(d) Service telegrams.	279	27	57	58	45	109	21	14	610
(e) Sundries	1,945	1,303	721	2,023	1,939	1,727	1,373	900	11,931
Total B.—"Establishments" ...	64,965	25,988	17,535	42,379	27,369	38,304	23,284	25,837	2,65,661
Grand Total of Expenditure.	86,072	43,562	40,508	86,043	59,504	81,958	60,635	36,776	4,95,058

Budget heads.	Central Circle. Direction.	Nellore	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	Salem.	Trichinopoly.	Tanjore.	Total.
1	11	12	13	14	15	16	17	18	19	20
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A, "Conservancy and Works"	24,296	54,660	32,582	9,786	29,488	16,128	1,06,328	9,811	2,370	2,85,449
I. Salaries—										
(a) Conservators ...	20,423	...	...	...	...	...	...	...	...	20,423
(b) Superior officers ...	10.617	9,168	12,662	11,270	10,539	11,651	15,588	9,372	...	90,867
(c) Subordinate forest and depot establishments ...	474	10,232	14,383	5,706	15,598	9,467	15,891	6,573	1,702	80,026
(d) Office establishments.	9,719	3,916	3,848	2,019	3,824	2,951	3,733	2,142	920	33.072
(e) Deputation and Special allowances.	...	...	...	...	...	...	...	...	...	...
(f) Exchange compensation allowances ...	1,428	489	382	631	439	564	590	376	...	4,899
II. Travelling allowances—										
(a) Conservators ...	2,040	...	...	...	...	...	...	...	...	2,040
(b) Superior officers ...	3,859	1,410	2,625	1.020	2,266	1,495	2,964	305	141	16,085
(c) Subordinate forest and depot establishments ...	176	2,979	3,196	1,456	3,642	2,197	5,498	2,061	1,221	22,426
(d) Office establishments	1,418	912	540	230	812	360	571	226	221	5,290
III. Contingencies—										
(a) Stationery ...	...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	...	131	303	60	69	30	49	40	...	682
(c) Official postage ...	589	401	845	661	1,562	1,367	2,279	500	185	8,389
(d) Service telegrams.	103	40	25	6	150	17	55	24	7	427
(e) Sundries	1,126	1,200	1,315	417	2,444	478	2,240	513	194	9,927
Total B.—"Establishments" ...	51,972	30,878	40,124	23,476	41,345	30,577	49,458	22,132	4,591	2,94,553
Grand Total of Expenditure.	76,268	85,538	72,706	33,262	70,833	46,705	1,55,786	31,943	6,961	5,80,002

Budget heads.	Southern Circle. Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
1	21	22	23	24	25	26	27	28	29	30
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward, Total A, "Conservancy and Works"	33,394	46,191	42,486	50,114	16,347	21,916	32,719	45,070	29,318	3,17,555
I. Salaries—										
(a) Conservators ...	15,616	...	...	...	...	...	...	...	...	15,616
(b) Superior officers ...	15,780	17,762	13.147	6,551	9,600	9,010	7,379	8,134	3,500	90,863
(c) Subordinate forest and depot establishments ...	294	11,200	9,694	10,774	16,087	12,113	6,359	7,347	9,872	77,680
(d) Office establishments.	9,800	3,544	3,877	3,622	3,782	3,829	3,123	2,451	4,401	38,429
(e) Deputation and Special allowances.	1.076	...	226	...	...	...	...	...	...	1,302
(f) Exchange compensation allowances ...	1,764	605	648	394	579	396	281	297	329	5,293
II. Travelling allowances—										
(a) Conservators ...	2,535	...	...	— 13	...	...	...	...	...	2,522
(b) Superior officers ...	4,849	1,800	1,824	1,779	1,313	1,924	1,874	921	1,333	17,617
(c) Subordinate forest and depot establishments ...	163	2,908	3,092	3,155	3,202	2,874	2,110	2,423	2,944	22,871
(d) Office establishments	1,931	200	482	418	877	504	712	202	599	5,925
III. Contingencies—										
(a) Stationery ...	...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	59	217	118	61	19	187	34	— 117	31	609
(c) Official postage ...	452	411	712	555	764	663	263	277	994	5,091
(d) Service telegrams.	204	38	17	10	25	51	37	4	34	420
(e) Sundries	1,239	1,238	2,113	1,110	1,152	1,424	1,224	662	1,181	11,343
Total B.—"Establishments" ...	55,762	39,923	35,950	28,356	31.400	32,975	23,396	22,601	25,218	2,95,581
Grand Total of Expenditure.	89,156	86,114	78,436	78,470	47,747	54,891	56,115	67,671	54,536	6,13,136

Madras,
18th August 1900.

(Signed) W. I. Bryning,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1899–1900 for each Circle and for the Presidency prepared in the Board's office from the Accountant-General's Statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1899–1900.	Grand Total, Presidency. 1898–99.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(*a*) Timber	19,813	3,510	1,48,509	1,71,832	1,67,411
(*b*) Firewood and charcoal	22,961	2,01,794	19,445	2,44,200	1,96,273
(*c*) Bamboos	136	659	7,134	7,929	8,159
(*d*) Sandalwood	18	1,972	26,392	28,382	27,796
(*e*) Grass and other minor produce	372	5,698	43,181	49,251	50,008
Total, I ..	43,300	2,13,633	2,44,661	5,01,594	4,49,647
II. Timber and other produce removed from the forests by consumers or purchasers—					
(*a*) Timber	1,39,366	58,931	49,640	2,47,937	2,08,708
(*b*) Firewood and charcoal	56,451	1,29,173	98,743	2,84,367	2,80,036
(*c*) Bamboos	74,206	76,997	20,382	1,71,585	1,59,711
(*d*) Grazing and fodder grass	1,79,065	2,24,396	86,304	4,89,765	4,34,043
(*e*) Other produce	1,92,442	2,20,566	72,144	4,85,152	4,46,992
Total, II ..	6,41,530	7,10,063	3,27,213	16,78,806	15,29,490
III. Confiscated drift and waifwood	4,537	1,769	3,641	9,947	12,543
V. Miscellaneous—					
(*a*) Fines and forfeitures	138	4,103	1,024	5,265	4,062
(*b*) Other sources	24,449	33,525	59,921	1,17,895	79,512
Total, V ..	24,587	37,628	60,945	1,23,160	83,574
Grand Total, Receipts ..	7,13,954	9,63,093	6,36,460	23,13,507	20,75,254
EXPENDITURE.					
A.—Conservancy and Works.					
Refunds	1,385	4,598	3,460	9,443	13,367
I. Timber and other produce removed from the forests by Government Agency—					
(*a*) Timber	11,567	8,564	48,638	68,769	69,269
(*b*) Firewood and charcoal	15,823	1,10,279	17,310	1,43,412	1,18,410
(*c*) Bamboos	66	620	5,979	6,665	6,489
(*d*) Sandalwood	..	359	3,873	4,232	4,454
(*e*) Grass and other minor produce	124	3,649	21,648	25,421	18,246
Total, A-I ..	27,580	1,23,471	97,448	2,48,499	2,16,868
II. Timber and other produce removed from the forests by consumers or purchasers	52,731	32,574	18,393	1,03,698	93,723
III. Confiscated drift and waifwood	622	105	484	1,211	1,460
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,000	20	7,000	17,020	17,501
VI. Live-stock, stores, tools and plant—					
(*a*) Purchase of cattle	..	138	6,100	6,238	4,298
(*b*) Feed and keep of cattle	2,672	19	32,482	35,173	28,598
(*c*) Stores, tools and plant	5,147	6,491	4,290	15,928	7,812
Total, A-VI ..	7,819	6,648	42,872	57,339	40,708
VII. Communications and buildings—					
(*a*) Roads and bridges	12,635	5,232	15,362	33,229	38,614
(*b*) Buildings	12,751	11,671	19,509	43,931	49,409
(*c*) Other works	3,159	972	5,017	9,148	5,376
Total, A-VII ..	28,545	17,875	39,888	86,308	93,399
VIII. Demarcation, improvement and extension of forests—					
(*a*) Demarcation	26,103	8,096	11,962	46,161	35,430
(*b*) Cost of forest settlement, compensation for land and rights	10,724	1,183	250	12,157	29,653
(*c*) (1) Local surveys	9,191	4,186	3,900	17,277	15,846
(*c*) (2) Survey of India	15,068	20,685	33,260	69,013	67,982
(*d*) Working plans	1,653	727	554	2,934	2,063
(*e*) Sowing and planting	9,049	17,905	19,987	46,941	32,483
(*f*) Protection from fire	8,945	14,637	12,532	36,114	34,532
(*g*) Other works	19,021	31,938	20,287	71,246	67.266
Total, A-VIII ..	99,754	99,357	1,02,732	3,01,843	2,85,255

Summary of Receipts and Expenditure during 1899–1900 for each Circle and for the Presidency prepared in the Board's office from the Accountant-General's Statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1899–1900.	Grand Total, Presidency. 1898–99.
1	2	3	4	5	6
EXPENDITURE—*cont.*	RS.	RS.	RS.	RS.	RS.
A.—Conservancy and Works—cont.					
IX. Miscellaneous—					
(*a*) Law charges	300	23	203	526	— 62
(*b*) Other charges	661	778	5,075	6,514	5,582
Total, A-IX ..	961	801	5,278	7,040	5,520
Total, A.—Conservancy and Works ..	2,29,397	2,85,449	3,17,555	8,32,401	7,67,801
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	13,200	20,423	15,616	49,239	43,386
(*b*) Superior officers	78,481	90,867	90,863	2,60,211	2,61,224
(*c*) Subordinate forest and depot establishments.	66,400	80,026	77,680	2,24,106	2,16,714
(*d*) Office establishments	33,542	33,072	38,429	1,05,043	1,01,186
(*e*) Deputation and Special allowances ..	..	..	1,302	1,302	723
(*f*) Exchange compensation allowances ..	3,762	4,899	5,293	13,954	15,288
Total, B-I ..	1,95,385	2,29,287	2,29,183	6,53,855	6,38,521
II. Travelling allowances—					
(*a*) Conservators	4,369	2,040	2,522	8,931	8,675
(*b*) Superior officers	19,942	16,085	17,617	53,644	48,674
(*c*) Subordinate forest and depot establishments.	17,999	22,426	22,871	6 3,296	58,754
(*d*) Office establishments	8,105	5,290	5,925	19,320	17,310
Total, B–II ..	50,415	45,841	48,935	1,45,191	1,33,413
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Carriage of tents	..	..	..	..	835
(*c*) Rents, rates and taxes	1,525	682	609	2,816	2,507
(*d*) Official postage	5,795	8,389	5,091	19,275	18,330
(*e*) Service telegrams	610	427	420	1,457	1,436
(*f*) Sundries	11,931	9,927	11,343	33,201	29,306
Total, B-III ..	19,861	19,425	17,463	56,749	52,414
Total, B.—Establishments ..	2,65,661	2,94,553	2,95,581	8,55,795	8,24,348
Grand Total, Expenditure ..	4,95,058	5,80,002	6,13,136	16,88,196	15,92,149
Surplus ..	2,18,896	3,83,091	23,324	6,25,311	4,83,105
Deficit ..	..	..	..	..	..
Total ..	7,13,954	9,63,093	6,36,460	23,15,507	20,75,254

Annual Form No. 60.

Forest Department, Madras Presidency.

Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year 1899–1900.

Circle	District.	Department Debtor. At commencement of year.	Department Debtor. Recoveries in cash and value of supplies and work done during the year.	Department Debtor. At close of year.	Department Creditor. At commencement of year.	Department Creditor. Payments made during year.	Department Creditor. At close of year.	Balance due To department (outstandings).	Balance due By department (liabilities).
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.	Conservator, Northern Circle	..	12,939 0 1	12,939 0 1	158 14 6	13,761 14 9	13,920 13 3	981 13 2	..
	Forest Settlement-officer, Ganjâm, &c., districts.	..	727 1 7	727 1 7	38 10 6	726 15 6	765 10 0	38 8 5	..
	Forest Settlement-officer, Nellore, &c., districts.	..	706 10 2	706 10 2	51 1 6	683 15 11	735 1 5	28 7 3	..
	Forest School, Dehra Dun	..	50 0 0	50 0 0	18 10 8	50 0 0	68 10 8	18 10 8	..
	Ganjâm	..	33,167 14 0	33,167 14 0	710 8 6	33,762 9 2	34,473 1 8	1,305 3 8	..
	Vizagapatam	..	23,151 4 4	23,151 4 4	517 15 5	22,979 6 10	23,497 6 3	346 1 11	..
	Gódávari	..	76,655 10 11	76,655 10 11	1,158 15 4	77,453 9 1	78,612 8 5	1,956 13 6	..
	Kistna	..	58,942 0 5	58,942 0 5	1,661 12 0	58,155 12 1	59,817 8 1	875 7 8	..
	Kurnool	..	73,144 9 1	73,144 9 1	7,648 15 0	68,431 1 6	76,080 0 6	2,935 7 5	..
	Bellary	..	48,495 4 3	48,495 4 3	1,438 13 4	48,273 8 4	49,712 5 8	1,217 1 5	..
	Anantapur	..	24,364 6 8	24,364 6 8	1,024 3 5	24,432 10 4	25,456 13 9	1,092 7 1	..
	Total ..	..	3,52,343 13 6	3,52,343 13 6	14,428 8 2	3,48,711 7 6	3,63,139 15 8	10,796 2 2	..
Central Circle.	Conservator, Central Circle	..	1,164 12 7	1,164 12 7	85 4 11	1,482 7 7	1,567 12 6	402 15 11	..
	Forest Settlement-officer, North Arcot, &c., districts..	..	192 5 7	192 5 7	14 14 0	195 12 3	210 10 3	18 4 8	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	2,145 2 4	2,145 2 4	21 6 6	2,131 11 10	2,153 2 4	8 0 0	..
	Forest School, Dehra Dun	..	50 0 0	50 0 0	..	50 0 0	50 0 0	..	..
	Nellore	..	69,031 0 1	69,031 0 1	1,263 14 10	72,412 11 10	73,676 10 8	4,645 10 7	..
	Cuddapah	..	55,888 15 9	55,888 15 9	1,184 14 11	55,229 15 4	56,414 14 3	525 14 6	..
	Chingleput	..	23,052 11 2	23,052 11 2	707 15 5	22,768 15 0	23,476 14 5	424 3 3	..
	North Arcot	..	62,942 12 3	62,942 12 3	1,970 2 5	62,725 15 2	64,696 1 7	1,753 5 4	..
	South do.	..	36,407 12 7	36,407 12 7	915 6 2	36,481 12 8	37,397 2 10	989 6 3	..
	Salem	..	1,20,259 12 1	1,20,259 12 1	10,479 0 4	1,13,769 0 11	1,24,248 1 3	3,988 5 2	..
	Trichinopoly	..	21,009 2 11	21,009 2 11	641 9 3	21,831 15 9	22,473 9 0	1,464 6 1	..
	Tanjore	..	8,835 4 3	8,835 4 3	144 14 10	8,702 12 11	8,847 11 9	12 7 6	..
	Total ..	..	4,00,979 11 7	4,00,979 11 7	17,429 7 7	3,97,783 3 3	4,15,212 10 10	14,232 15 3	..
Southern Circle.	Conservator, Southern Circle	..	7,276 9 9	7,276 9 9	43 14 8	7,311 0 4	7,354 15 0	78 5 3	..
	Forest Settlement-officer, Malabar, &c., districts.	..	539 1 2	539 1 2	38 8 10	512 9 5	551 2 3	12 1 1	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	2,145 2 3	2,145 2 3	21 6 6	2,131 11 9	2,153 2 3	8 0 0	..
	Forest School, Dehra Dun	..	60 0 0	60 0 0	78 5 4	60 0 0	138 5 4	78 5 4	..
	The Nilgiris	..	55,025 14 0	55,025 14 0	1,361 0 4	55,613 9 2	56,974 9 6	1,948 11 6	..
	North Coimbatore ..	..	89,470 2 1	89,470 2 1	1,874 10 9	91,595 9 6	93,470 4 3	4,000 2 2	..
	South do. ..	..	50,840 11 11	50,840 11 11	1,350 12 6	51,445 1 9	52,795 14 3	1,955 2 4	..
	Madura	..	39,741 15 1	39,741 15 1	1,464 0 8	40,102 15 2	41,566 15 10	1,825 0 9	..
	Tinnevelly	..	50,982 12 1	50,982 12 1	2,641 11 4	48,632 7 2	51,274 2 6	291 6 5	..
	North Malabar	..	35,281 13 8	35,281 13 8	1,585 5 11	35,280 2 2	36,865 8 1	1,583 10 5	..
	South do.	..	62,012 11 1	62,012 11 1	1,186 2 8	62,984 13 8	64,171 0 4	2,158 5 3	..
	South Canara	..	44,167 5 9	44,167 5 9	550 12 4	45,156 11 3	45,707 7 7	1,540 1 10	..
	Total ..	..	4,37,544 2 10	4,37,544 2 10	12,196 11 10	4,40,826 11 4	4,53,023 7 2	15,479 4 4	..

Madras,
29th August 1900.

(Signed) W. I. Bryning,
Chief Superintendent.

Annual Form No. 61.

Forest Department, Madras Presidency.

Revenue received and Outstandings on account of Revenue during the Forest year 1899–1900.

Circle	District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Northern Circle.	Direction	Timber and other forest produce.	..	..	..	..	..
	Ganjám	Do. do.	0 6 4	44,680 13 8	44,681 4 0	44,681 4 0	..
	Vizagapatam ..	Do. do.	..	31,326 7 0	31,326 7 0	31,326 7 0	..
	Gódávari	Do. do.	3,621 11 0	1,78,358 3 2	1,81,979 14 2	1,80,999 14 2 + * 53 0 0	927 0 0
	Kistna	Do. do.	693 12 8	1,30,738 4 6	1,31,432 1 2	1,28,005 8 2	3,426 9 0
	Kurnool	Do. do.	4,319 0 4	1,48,988 9 9	1,53,307 10 1	1,38,203 12 4 +† 2,406 4 0	12,697 9 9
	Bellary	Do. do.	15,158 11 0	1,34,908 14 0	1,50,067 9 0	1,25,111 3 6 +† 6,745 7 0	18,210 14 6
	Anantapur	Do. do.	13,512 2 7	81,716 11 10	95,228 14 5	65,625 14 7 + ‡ 135 0 0	29,467 15 10
		Total ..	37,305 11 11	7,50,717 15 11	7,88,023 11 10	7,23,293 10 9	64,730 1 1
Central Circle.	Direction	Timber and other forest produce.	..	..	..	..	..
	Nellore	Do. do.	2,933 7 1	1,75,475 10 4	1,78,409 1 5	1,65,392 13 10	13,016 3 7
	Cuddapah	Do. do.	6,242 15 4	1,26,717 5 5 + 1,395 5 4	1,32,960 4 9 + 1,395 5 4	1,20,004 11 11 +† 1,345 0 0 + § 50 5 4	12,955 8 10
	Chingleput	Do. do.	10,496 0 1	43,942 10 6	54,438 10 7	46,167 2 11 + ‡ 3 12 0	8,267 11 8
	North Arcot	Do. do.	26,517 6 1	1,46,255 5 2	1,72,772 11 3	1,36,907 2 6 +‖ 2,848 14 9	33,016 10 0
	South Arcot	Do. do.	10,032 2 0	77,989 8 11	88,021 10 11	83,451 3 6	4,570 7 5
	Salem	Do. do.	40,246 11 0	2,97,220 15 9	3,37,467 10 9	3,19,034 1 10	18,433 8 11
	Trichinopoly ..	Do. do.	5,774 0 3	75,526 12 7	81,300 12 10	74,211 5 8 + ‡ 157 10 3	6,931 12 11
	Tanjore	Do. do.	2,508 13 0	17,944 15 2	20,453 12 2	17,923 8 0	2,530 4 2
		Total ..	1,04,751 6 10	9,62,468 9 2	10,67,220 0 0	9,67,497 12 6	99,722 3 6
Southern Circle.	Direction	Timber and other forest produce.	..	..	..	..	..
	The Nilgiris ..	Do. do.	1,061 10 4	47,898 10 2	48,960 4 6	47,757 13 11	1,202 6 7
	North Coimbatore ..	Do. do.	106 9 0	1,27,373 9 6	1,27,480 2 6	1,26,812 10 6	667 8 0
	South do. ..	Do. do.	2,234 8 0	89,852 5 9	92,086 13 9	90,156 15 9	1,929 14 0
	Madura	Do. do.	74,749 15 5 —** 68,854 6 9	82,618 7 5	88,514 0 1	73,148 6 3	15,365 9 10
	Tinnevelly	Do. do.	8,334 4 9	89,364 1 1	97,698 5 10	84,472 5 3	13,226 0 7
	North Malabar ..	Do. do.	27,582 4 2 £18 15 0 or RS. A. P. 256 5 9	68,246 3 10	96,084 13 9	72,446 14 9 + † 121 0 0	23,516 15 0
	South do. ..	Do. do.	11,413 6 7	79,079 15 1	90,493 5 8	84,238 1 8	6,255 4 0
	South Canara ..	Do. do.	916 2 0	65,840 5 3	66,756 7 3	57,426 9 5 + ¶ 288 10 0	9,041 3 10
		Total ..	1,26,398 12 3 — 68,854 6 9 £18 15 0 or RS. A. P. 256 5 9	6,50,273 10 1	7,08,074 5 4	6,36,459 13 6 + 409 10 0	71,204 13 10

* Written off under Government Order, No. 132, Revenue, dated 21st February 1899.
† Do. do. ,, 163, ,, ,, 26th ,, 1900.
‡ Do do. ,, 557, ,, ,, 22nd August 1899.
§ Do. do. ,, 433, ,, ,, 8th May 1900.
‖ Do. do. ,, 726, ,, ,, 29th November 1898.

		RS.	A.	P.
¶ Written off under Government Order, No. 503, Revenue, dated 26th September 1897	..	130	6	0
Do. do. ,, 1038, ,, ,, 10th December 1898	..	18	4	0
Do. do. ,, 504, ,, ,, 31st August 1898	..	10	0	0
Do. do. ,, 340, ,, ,, 30th May 1899	..	130	0	0
Total	..	288	10	0

** Balance reduced by the District Forest-officer as per Accountant-General's L.F.D. No. 624, dated 23rd October 1899.

Madras,
29th August 1900.

(Signed) W. I. Bryning,
Chief Superintendent.

ANNUAL FORM No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1899–1900.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,493	7,603	37,189	23,069	19,998	44,682	50,670
Vizagapatam	1,140	2,452	30,186	18,115	24,679	31,326	45,246
Gódávari	2,822	2,129	1,78,178	55,937	39,823	1,81,000	97,889
Kistna	465	985	1,27,540	32,856	39,878	1,28,005	73,719
Kurnool	10,420	9,487	1,27,784	52,143	49,611	1,38,204	1,11,169
Bellary	24,113	17,988	1,00,999	25,509	26,615	1,25,112	70,112
Anantapur	..	5	65,625	27,608	18,640	65,625	46,253
Total ..	46,453	40,649	6,67,501	2,35,237	2,19,244	7,13,954	4,95,058
Central Circle.							
Cuddapah	3,066	11,706	1,16,938	39,477	53,458	1,20,004	1,04,641
Nellore	62,963	38,979	1,02,429	23,633	28,186	1,65,392	90,798
Chingleput	3,381	1,059	42,787	19,479	15,323	46,168	35,861
North Arcot	2,375	5,168	1,34,532	30,094	44,767	1,36,907	80,029
South do.	498	3,696	82,954	23,980	26,895	83,452	54,571
Salem	1,32,332	93,310	1,86,702	39,255	36,137	3,19,034	1,68,702
Trichinopoly	9,018	4,710	65,194	18,404	14,026	74,212	37,140
Tanjore	..	491	17,924	4,625	3,144	17,924	8,260
Total ..	2,13,633	1,59,119	7,49,460	1,98,947	2,21,936	9,63,093	5,80,002
Southern Circle.							
South Canara	19,216	30,463	38,211	9,741	36,782	57,427	76,986
North Malabar . ..	54,685	42,999	17,762	905	18,198	72,447	62,102
South do.	68,747	49,974	15,491	229	24,685	84,238	74,888
The Nilgiris	19,068	40,894	28,689	4,366	50,032	47,757	95,292
North Coimbatore ..	52,391	40,197	74,421	8,294	54,937	1,26,812	1,03,428
South do. ..	24,397	47,803	65,760	11,459	27,590	90,157	86,852
Madura	1,113	3,061	72,036	8,815	40,966	73,149	52,842
Tinnevelly	5,044	22,700	79,429	4,152	33,894	84,473	60,746
Total ..	2,44,661	2,78,091	3,91,799	47,961	2,87,084	6,36,460	6,13,136
Grand Total ..	5,04,747	4,77,859	18,08,760	4,82,145	7,28,264	23,13,507	16,88,196

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, &c., instruments				Tools			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	25	420	39	700	11	20	11	15
Ganjám	44	442	40	465	329	167	337	185
Vizagapatam	* 39	* 666	40	695	* 330	* 352	364	557
Gódávari	111	517	116	782	967	1,776	1,058	2,598
Kistna	82	* 900	82	815	512	277	552	324
Kurnool	83	859	82	790	1,000	827	808	694
Bellary	97	247	143	277	547	560	548	523
Anantapur	53	* 211	71	210	379	688	493	761
Total, Northern Circle ..	* 534	* 4,262	613	4,734	* 4,075	* 4,667	4,171	5,657
Central Circle.								
Direction	43	705	46	706	4	14	6	14
Cuddapah	125	1,057	129	1,066	* 565	* 10,628	560	1,539
Nellore	68	* 335	67	300	* 442	* 187	456	228
Chingleput	* 39	* 384	39	370	444	515	415	478
North Arcot	73	685	129	829	{ 838 cwt. 33 }	565	{ 1,184 cwt. 33 }	907
South do.	111	1,804	111	1,213	* 428	268	347	2
Salem	136	1,465	141	1,538	1,759	3,785	2,076	2,089
Trichinopoly	53	499	53	469	1,028	541	1,028	472
Tanjore	20	90	20	81	71	44	70	43
Total, Central Circle ..	* 668	* 7,024	735	6,572	{ * 5,579 cwt. 33 }	* 16,547	{ 6,142 cwt. 33 }	5,772
Southern Circle.								
Direction	42	462	42	462	2	45	3	45
South Canara	118	1,176	130	829	480	734	548	630
North Malabar	26	963	26	963	491	1,160	533	1,233
South do.	35	831	35	788	737	645	784	544
The Nilgiris	* 61	1,077	95	1,061	530	1,426	577	1,499
North Coimbatore	63	913	63	823	526	* 441	554	549
South do.	101	1,487	98	1,401	* 685	945	657	877
Madura	87	1,902	108	2,053	207	262	265	336
Tinnevelly	91	1,596	96	1,596	549	1,170	544	1,167
Total, Southern Circle ..	* 624	10,407	693	9,976	* 4,207	* 6,828	4,465	6,880
Total, Presidency ..	* 1,826	* 21,693	2,041	21,282	{ * 13,861 cwt. 33 }	* 28,042	{ 14,778 cwt. 33 }	18,309

* Revised figures.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1899–1900.

Machinery				Furniture				Building materials, small stores, tents, boats, &c.			
On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	75	550	91	570	5	650	15	1,280
..	..	..	..	125	1,887	173	1,859	..	..	..	..
..	..	..	..	* 159	* 1,043	159	811	6	* 455	8	575
1	102	1	102	517	2,536	518	2,651	21	3,804	23	4,021
..	..	..	..	133	* 557	154	580	* 9	2,416	15	3,215
..	..	..	..	135	515	139	490	7	1,758	7	1,580
..	..	..	..	68	431	81	497	6	831	10	1,240
..	..	..	..	119	647	127	730	4	634	10	1,465
1	102	1	102	* 1,331	* 8,166	1,442	8,188	* 58	* 10,548	88	13,376
..	..	..	..	121	756	126	733	5	702	8	716
..	..	..	..	129	* 1,056	132	1,091	..	..	..	..
* $2\frac{3}{4}$ mls. 48	* 17,068	$2\frac{3}{4}$ mls. 67	21,587	* 90	* 331	88	281	* 10	* 3,405	10	3,261
..	..	..	..	159	829	161	819	4	..	4	..
12	57	12	54	424	1,291	536	1,728	6	550	18	2,190
9	398	9	210	2,034	1,945	1,156	1,168	9	1,128	9	1,128
2	21	2	21	444	2,000	457	2,035	..	..	..	..
..	..	..	..	142	827	139	748	4	618	4	618
..	..	..	..	40	326	50	364	..	..	..	..
* 71 $2\frac{3}{4}$ mls.	* 17,544	90 $2\frac{3}{4}$ mls.	21,872	* 3,583	* 9,361	2,845	8,967	* 38	* 6,403	53	7,913
..	..	..	..	108	794	111	805	5	733	6	733
..	..	..	..	178	1,394	186	1,389	8	951	10	1,227
..	..	..	..	140	944	140	944	..	..	4	702
* 26	* 157	29	142	103	786	108	779	4	343	4	302
1	200	1	200	146	1,261	153	1,266	8	896	8	896
..	..	..	..	* 191	* 698	194	584	87	* 1,352	89	1,131
* 5,621 7,950 ft.	* 12,924	5,697 7,980 ft. 1 lb.	12,892	* 686	* 2,571	699	2,531	9	1,009	13	1,525
5	6	4	13	231	1,795	243	1,926	796	1,357	625	1,152
18	302	17	281	575	2,430	538	2,386	* 6	682	6	682
* 5,671 7,950 ft.	* 13,589	5,748 7,980 ft. 1 lb.	13,528	* 2,358	* 12,673	2,372	12,610	* 923	* 7,323	765	8,350
* 5,743 $2\frac{3}{4}$ mls. 7,950 ft.	* 31,235	5,839 $2\frac{3}{4}$ mls. 7,980 ft. 1 lb.	35,502	* 7,272	* 30,200	6,659	29,765	* 1,019	* 24,274	906	29,639

Abstract showing the Value of Live-stock,

Districts.	Buildings				Live-stock			
	On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	..	..	..	..
Ganjám	31	15,984	33	16,029	..	..	..	..
Vizagapatam	* 42	* 5,727	42	5,727	1	..	1	..
Gódávari	71	32,069	85	32,619	2	..	2	..
Kistna	77	12,335	66	11,482	..	..	..	..
Kurnool	61	35,037	62	35,440	1	1,600	1	1,600
Bellary	25	4,365	25	5,195	..	..	..	..
Anantapur	* 17	14,619	19	16,619	..	..	..	..
Total, Northern Circle ..	* 324	* 1,20,136	332	1,23,111	4	1,600	4	1,600
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	* 117	* 21,519	120	21,613	2	56	2	56
Nellore	10	* 4,355	10	4,610	..	..	3	105
Chingleput	17	4,985	20	5,524	..	..	..	..
North Arcot	51	10,460	55	13,267	..	..	..	..
South do.	19	19,746	18	17,474	..	..	..	..
Salem	22	16,500	29	18,225	..	..	..	..
Trichinopoly	8	2,795	8	3,070	..	..	..	..
Tanjore	7	631	7	612	..	..	..	..
Total, Central Circle ..	* 251	* 80,991	267	84,395	2	56	5	161
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	14	7,603	16	9,560	2	..	2	..
North Malabar	..	..	..	..	15	23,550	32	44,950
South do.	33	37,674	32	37,626	18	33,700	20	35,500
The Nilgiris	62	9,911	69	11,651	7	7,900	4	3,300
North Coimbatore	* 59	* 25,450	65	26,354	..	..	..	..
South do.	57	* 30,277	56	28,916	7	13,500	9	11,000
Madura	51	25,143	54	26,361	..	..	..	..
Tinnevelly	70	28,821	70	29,091	..	..	..	..
Total, Southern Circle ..	* 346	* 1,64,879	362	1,69,559	49	78,650	67	94,750
Total, Presidency ..	* 921	* 3,66,006	961	3,77,065	55	80,306	76	96,511

* Revised figures.

Stores, Tools and Plant for 1899–1900—*cont.*

Miscellaneous				Total.					
On hand at commencement of the year.		On hand at end of the year.		On hand at commencement of the year.		On hand at end of the year.		Difference in value	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
1	100	1	100	117	1,740	157	2,665	925	..
..	..	..	..	529	18,480	583	18,538	58	..
* 69	* 147	68	106	* 646	* 8,390	682	8,471	81	..
556	782	565	798	2,246	41,586	2,368	43,571	1,985	..
..	..	..	..	* 813	* 16,485	869	16,416	..	69
36	223	39	465	1,323	40,819	1,138	41,059	240	..
33	116	46	151	776	6,550	853	7,883	1,333	..
..	..	..	..	* 572	* 16,799	720	19,785	2,986	..
* 695	* 1,368	719	1,620	* 7,022	* 1,50,849	7,370	1,58,388	7,608	69
39	608	39	593	212	2,785	225	2,762	..	23
..	..	..	..	* 938	* 34,316	943	25,365	..	8,951
* 210	* 411	216	376	* 878	* 26,092	917	30,748	4,656	..
115	169	121	170	2¾ mls. * 778	* 6,882	2¾ mls. 760	7,361	479	..
..	..	..	..	1,404 cwt. 33	13,608	1,934 cwt. 33	18,975	5,367	..
590	1,552	660	884	* 3,200	26,841	2,310	22,079	..	4,762
32	2,000	38	2,153	2,395	25,771	2,743	26,061	290	..
2,305	952	2,306	891	3,540	6,232	3,538	6,268	36	..
41	104	42	100	179	1,195	189	1,200	5	..
* 3,332	* 5,796	3,422	5,167	* 13,524 cwt. 33 2¾ mls.	* 1,43,722	13,559 cwt. 33 2¾ mls.	1,40,819	10,833	13,736
680	625	513	531	837	2,659	675	2,576	..	83
626	1,794	601	1,162	1,426	13,652	1,493	14,797	1,145	..
..	..	..	..	672	26,617	735	48,792	22,175	..
264	1,334	268	1,135	* 1,220	* 75,470	1,280	76,816	1,346	..
19	158	38	217	* 834	22,829	945	20,090	..	2,739
* 115	185	122	166	* 1,041	* 29,039	1,087	29,607	568	..
* 605	* 976	617	944	* 7,771 7,950 ft.	* 63,689	7,846 7,980 ft. 1 lb.	60,086	..	3,603
608	445	931	575	1,985	30,910	2,220	32,416	1,506	..
..	..	..	..	* 1,309	35,001	1,271	35,203	202	..
* 2,917	* 5,517	3,090	4,730	* 17,095 7,950 ft.	* 2,99,866	17,562 7,980 ft. 1 lb.	320,383	26,942	6,425
* 6,914	* 12,681	7,231	11,517	* 37,641 cwt. 33 2¾ mls. 7,950 ft.	* 5,94,437	38,491 cwt. 33 2¾ mls. 7,980 ft. 1 lb.	6,19,590	45,383	20,230

Annual Form No. 63.

Forest Department, Madras Presidency.

Statement of Elephants during the year 1899–1900.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.			
1	2	3	4			
				RS.	A.	P.
		Part I.				
		Elephants in possession of the Reporting Officers throughout the year.				
Vizagapatam ..	Ethel	Transferred from Southern Circle on 3rd December 1897.	Per head ..	67	0	0
Gódávari ..	1. Surat Pari	Purchased in November 1894 in Sonepur fair.	Do. ..	56	1	4
	2. Captain Gunning ..	Purchased in July 1888 and transferred from direction Northern Circle on 15th November 1897.	Do. ..	55	1	11
Kurnool	Byragi Piari	Purchased in November 1894 in Sonepur fair.	Do. ..	43	6	11
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	69	1	0
	2. Peri	Captured on April 1889	Do. ..	65	15	4
	3. Kalyani	Purchased in October 1889	Do. ..	68	15	0
	4. Lallameah	Captured on March 1891	Do. ..	69	1	2
	5. Krishna	Do. on 3rd March 1896	Do. ..	63	4	7
	6. Pyramus	Do. on 15th April 1897	Do. ..	64	3	6
	7. Zelica	Do. on 17th February 1898 ..	Do. ..	104	8	8
	8. Isabella	Do. on 17th February 1898 ..	Do. ..	63	8	0
	9. Chakravarthini ..	Do. on 10th March 1896	Do. ..	71	14	3
	10. Begum Johan ..	By birth on 8th January 1899	Do. ..	15	14	0
	11. Tippu Sultan ..	Captured on 22nd February 1899 ..	Do. ..	63	4	0
	12. Emily	Do. on 23rd June 1899	Do. ..	63	13	5
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..	Do. ..	40	4	3
	2. Peyru					
	3. Samson	Purchased from Mr. Morgan in 1885 ..				
	4. Eva					
	5. Theebow	Captured on 3rd January 1886 ..				
	6. Juno	Do. on 17th February 1886 ..				
	7. Jupiter	Do. on 9th January 1887				
	8. Maharajah	Transferred from Wynaad on 29th September 1888.				
	9. Gordon	Captured on 11th February 1889 ..				
	10. Eddy	Do. on 10th February 1890 ..				
	11. Loo	Do. on 21st April 1890				
	12. Hercules	Do. on 24th December 1890 ..				
	13. Tippu	Do. on 25th February 1893 ..				
	14. May	Do. on 23rd November 1894 ..				
	15. Abdul	Do. on 4th October 1891 and transferred from South Coimbatore on 18th June 1896.				
	16. Nurmahal	Transferred from North Malabar on 5th November 1898.				
	17. Devaji	Captured on 16th January 1899 ..				
	18. Janaki	Do. on 8th February 1899				
South Canara ..	1. Mohidien Khan ..	Captured on 3rd January 1896 and transferred from North Malabar on 3rd September 1897.	Do. ..	44	4	4
	2. Padmini	Captured on 8th February 1896 and transferred from North Malabar on 3rd September 1897.				
The Nilgiris ..	1. Latchmi	Transferred from the Anamalais on the 30th January 1882	Do. ..	71	11	5
	2. Chinna Latchmi ..					
	3. N. Latchmi	Purchased in September 1894				
South Coimbatore.	1. Karthiyayini	Arrived from South Malabar, August 1888	Do. ..	40	12	8
	2. Periya Rani	Do. do. May 1889 ..				
	3. Sinna Rani	Do. do. 19th August 1891.				
	4. Jumbo, II	Captured on 25th September 1892 ..				
	5. Ranger	Do. on 23rd July 1893				
	6. Dora	Transferred from South Malabar on 25th December 1896.				
	7. Bagavati					

Statement of Elephants during the year 1899-1900—*cont.*

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.				How disposed of.
1	2	3	4				5

PART II.

* *Elephants received in the year.*

District	Names	When purchased or otherwise obtained	Cost of keep	RS.	A.	P.	How disposed of
North Malabar.	1. Meenatchi ..	Born on 9th April 1899 and transferred from Nilgiris on 14th July 1899.	Per head.	61	2	4	....
	2. Seetha	Transferred from Nilgiris on 14th July 1899	Do.	57	12	0	....
	3. Paddy	By birth on 17th August 1899.	Do.	13	0	3	....
	4. Ranjit Singh ..	Captured on 9th January 1900.	Do.	50	10	0	....
	5. Lala Ruk ..	Do. on 4th February 1900.	Do.	51	15	9	....
	6. Chamundi ..	Do. on 4th February 1900.	Do.	52	8	11	....
	7. Sivajee ..	Do. on 15th February 1900.	Do.	72	2	10	....
	8. Nadir Shah ..	Do. on 4th March 1900.	Do.	59	0	1	....
	9. Shah Jehan ..	Do. on 8th ,, ,,	Do.	63	13	7	....
	10. Akbar	Do. on 24th ,, ,,	Do.	44	9	7	....
	11. Aurangazib ..	Do. on 24th ,, ,,	Do.	44	7	2	....
	12. Rukmani ..	Do. on 25th ,, ,,	Do.	44	15	0	....
	13. Saraswathi ..	Do. on 21st ,, ,,	Do.	59	8	9	....
	14. Chamaraj ..	Do. on 31st ,, ,,	Do.	40	13	3	....
	15. Jehanghir ..	Do. on 1st April ,,	Do.	35	15	8	....
	16. Parvathi II ..	Do. on 2nd ,, ,,	Do.	32	12	0	....
	17. Bhakto ..	Do. on 6th ,, ,,	Do.	53	14	9	....
	18. Abdul Rahiman.	Do. on 7th ,, ,,	Do.	54	3	5	....
	19. Protab Singh ..	Do. on 12th ,, ,,	Do.	22	8	2	....
	20. Scindia ..	Do. on 25th ,, ,,	Do.	52	2	9	....
	21. Nurjehan ..	Do. on 9th May ,,	Do.	47	5	3	....
South Malabar.	1. Noraha ..	Do. on 18th February 1899.	Do.	22	7	0	....
	2. Kunhi Raman..	Do. on 15th February 1900.	Do.	35	9	2	....
The Nilgiris.	Bessie	By birth on 3rd July 1899 ..	Do.	9	1	1	....
South Coimbatore.	1. Sankara ..	Captured on 24th July 1899.	Do.	12	5	2	....
	2. Chole			14	13	10	....
	3. Tommy.. ..			12	2	7	....
	4. Akbar Baksh ..	Transferred from the Nilgiris on 25th July 1899.	Do.	43	6	2	....
	5. Zahara			37	7	1	....
	6. Jenny	Captured on 8th August 1899.	Do.	12	12	2	....
	7. Bob	Do. on 26th ,, ,,	Do.	13	1	10	....

PART III.

* *Elephants gone off the list during the year.*

District	Names	When purchased or otherwise obtained	Cost of keep	RS.	A.	P.	How disposed of
North Malabar.	1. Smith	Captured on 14th May 1899 ..	Per head.	47	13	8	Sold on 16th October 1899.
	2. Sirdar	Do. on 11th June ,,	Do	43	14	3	
	3. Saraswathi ..	Do. on 31st March 1900.	Do.	59	8	9	Died on 18th May 1900.
The Nilgiris.	1. Akbar Baksh ..	By birth on 22nd February 1888.					Transferred to the Anamalais in the South Coimbatore district on 12th July 1899.
	2. Menatchi ..	By birth on 9th April 1899 ..	Do.	54	11	9	Transferred to North Malabar on 14th July 1899.
	3. Zahara	Transferred from North Malabar on 12th November 1896.					Transferred to the Anamalais on 12th July 1899.
	4. Seetha	Transferred from North Malabar in June 1896.					Transferred to North Malabar on 14th July 1899.
South Coimbatore.	1. Mona	Captured on 8th August 1898.	Do.	29	4	3	Died on 23rd February 1900.
	2. Phyllis II ..	Do. on 25th September 1892.	Do.	45	13	1	Died on 27th August 1899.
	3. Sankara	Captured on 24th July 1899.	Do.	12	5	2	Do. on 18th May 1900.
	4. Chloe	Do. on 24th ,, ,,	Do.	14	13	10	Do. on 29th March ,,
	5. Tommy	Do. on 24th ,, ,,	Do.	12	2	7	Do. on 24th ,, ,,
	6. Jenny	Do. on 8th August ,,	Do.	12	12	2	Do. on 12th January 1900.
	7. Bob	Do. on 26th August ,,	Do.	13	1	10	Died on 6th April 1900.

* The Conservator, Southern Circle, reports that 25 elephants were captured, 3 born and that 9 elephants died. The variation has, however, not been explained by him.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 459, dated 15th November 1900 :—

Resolution—Forest No. 459, dated 15th November 1900.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending 30th June 1900, which has been compiled by Mr. Peet, the Senior Conservator of Forests.

2. The Board has to note again that many references had to be made especially to District officers calling for returns and for explanation of discrepancies in their reports; replies from some of them were not received until the first week of November.

3. The Board desires to acknowledge the loyal co-operation of the Conservators, Messrs. Peet, Hooper and Gass, and of District Forest-officers generally in the working of the department. The visit of the Inspector-General of Forests, Mr. Ribbentrop, for the purpose of inaugurating a system whereby the operations of the department in the reserved forests of the Presidency may rapidly be brought under the control of working-plans, formed a marked feature of the year. His assistance in this important matter has been acknowledged by Government in G.O., No. 985, Revenue, dated 24th September 1900.

(True Extract.)

(Signed) A. R. CUMMING,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 412, Revenue, dated 20th May 1901.

Forest No. 98.

With the above Proceedings the Board submits the report on the administration of the Forest Department during the year ending 30th June 1900. The report is a full and interesting one and reflects credit on its compiler Mr. Peet, the Senior Conservator of Forests.

Extension and Constitution of State Forests.

2. *The progress of Forest Settlement operations.*—On the 30th June 1900 a total area of 15,862 square miles had been finally constituted reserved forests under the Act: 114 square miles had been notified as becoming reserved forest on some later date: 2,246 square miles were in various stages of settlement: and 1,427 square miles had been selected for reservation but not yet brought under settlement. It is satisfactory that the work done by the five special Settlement-officers was on the whole equal to that accomplished during the previous years.

3. On the other hand, the progress made in bringing under settlement lands reserved for the purpose and in completing selections for further reservation, left much to be desired. The following abstract shows that the area notified for settlement was much the smallest during the past five years:—

	1895–96.		1896–97.		1897–98.		1898–99.		1899–1900.	
	Number of blocks.	Area in square miles.	Number of blocks.	Area in square miles.	Number of blocks.	Area in square miles.	Number of blocks.	Area in square miles.	Number of blocks.	Area in square miles.
Initially notified for settlement.	79	442	175	402	128	515	167	493	141	243

The explanation suggested in paragraph 5 of the report, that the decrease in the area initially notified was due to the limited area available for further reservation, is hardly adequate: for the area reserved for settlement stood at the end of the year at nearly 1,427 square miles. The Government, however, recognizes that small areas, especially if they adjoin cultivated tracts, require more attention than large hill blocks. The further explanations given in paragraph 11 of the report show that, while it is probable that the areas quoted against Vizagapatam, Bellary, Salem and the Nilgiris will not eventually be available for settlement as reserves, yet greater progress might have been made in Kistna and ought to have been made in Kurnool.

4. Turning to the estimate of new selections, it is observed that the estimate stood on 30th June 1899 at about 652 square miles (*vide* report for 1898–99) and on the 30th June 1900 at 281 square miles: but it appears from Form No. 44 that only some 175 square miles were newly brought under the Act during the year 1899–1900. A decrease in the estimate of some 200 square miles is thus unaccounted for.

5. In reviewing the report for the previous year the Government of India asked for an assurance that the areas not yet constituted reserves were of sufficient present or prospective value to warrant the capital outlay of transforming them into reserves. This assurance may confidently be given as regards the area (2,360 square miles) actually under settlement. As regards the area reserved for settlement and the estimate of further selections, the remarks in the foregoing paragraphs show that in several districts the examination of the proposed blocks has not been completed nor the question of their value for reservation definitely decided. This should be done wherever practicable without further delay as the termination of Forest Settlement operations generally seems now within view.

6. *Demarcation, Survey and Mapping of settled reserves.*—The following abstract shows that the outturn under the head of permanent demarcation as well as under that of reclearing was on the whole above the average of the last three years:—

—	Permanent demarcation.			Reclearing of old lines, &c.		
	1897–98.	1898–99.	1899–1900.	1897–98.	1898–99.	1899–1900.
	MILES. 1,964	MILES. 1,573	MILES. 1,859	MILES. 2,804	MILES. 4,981	MILES. 5,134
Average cost per mile	RS. A. P. 11 3 10	RS. A. P. 11 11 0	RS. A. P. 11 14 9	RS. A. P. 3 12 6	RS. A. P. 2 7 0	RS. A. P. 3 9 8

A comparison between the figures in form No. 46 for the year under review and the previous year shows that the work done kept pace with the extension of reserve boundaries.

7. The topographical survey of the reserves by the Government of India parties Nos. 9 and 19 also made satisfactory progress, though it is to be regretted that the final mapping was delayed by errors and omissions occasioned by the neglect of the local officers to clear boundaries, and to point out rights within, the surveyed reserves. The importance of making the maps accurate and complete is so great that Collectors should make a point of seeing that the survey officers are adequately assisted in their work. The Government trusts that the Board's instructions in the matter will have a salutary effect.

Management of State Forests.

8. A marked feature of the year's work was the stimulus given to the preparation of working plans by the visit of Mr. Ribbentrop, late Inspector-General of Forests. Mr. Ribbentrop laid stress on the importance of spreading a net-work of working plans over the whole area of reserves and explained the simple nature of the plans required for the greater portion of the reserves. Under his advice a special Forest officer has been appointed for each circle to draw up under the immediate direction of the Conservator working plans for those localities which cannot conveniently be dealt with by the District Forest-officers. The report contains distinct evidence that the arrangements made will lead to a considerable advance in this important branch of forest administration. Besides much interesting information in the body of the report about the actual working of existing plans, it appears from form No. 48 that working plans were sanctioned for 219 square miles during the year and were taken in hand for 768 square miles more, and that, in all, plans were either sanctioned or in preparation for a total area of 2,536 square miles.

9. *Annual Plans of Operations.*—Except perhaps in Kurnool, all important deviations from the annual programmes were sufficiently justified. In the case of Kurnool it is not understood why a change of officers should have been allowed to cause a divergence from the settled plan of operations.

10. *Forest Offences.*—The following statement compares the leading statistics under this head for the past three years:—

Years.	Number of cases for disposal.			Number of cases disposed of.				Number of acquittals.	Percentage of cases compounded to cases disposed of.	Percentage of acquittals to cases dealt with by the magistracy.
	Cases pending.	New cases.	Total.	Withdrawn.	Compounded.	Dealt with by the magistracy.	Total.			
1897–98	1,776	14,993	16,769	2,420	7,694	4,474	14,588	650	52·7	14·5
1898–99	2,200	18,295	20,495	2,364	10,070	5,697	18,131	754	55·5	13·2
1899–1900	2,360	20,450	22,810	2,956	11,654	5,295	19,905	670	58·5	12·7

The increase in the number of cases reported during the year under review is no doubt rightly stated in the report to be mainly due to the scarcity that prevailed; it is satisfactory, however, that the number of cases sufficiently important to prosecute before the magistracy was considerably less than in the previous year: and it is creditable to the department that on the whole the percentage of acquittals was also less.

The increase in the total number of cases occurred, it will be seen, chiefly under the heads of *withdrawals* and *compounded cases*. Under *withdrawals*, the increase was chiefly due to the comparatively large number of cases returned as undetected. The Board is requested to indicate the principle on which in the statement in paragraph 23 of the report it distinguishes under the main head of "withdrawals" cases "undetected" from cases "withdrawn".

The only circumstance about the returns of *compounded cases* that calls for remark is the comparatively large number of cases of illicit goat browsing so treated, and the comparatively large amount of composition fees levied in these cases in certain districts. The point will be referred to again below in dealing with the arrangements made for grazing generally.

11. *Fire Protection.*—The area for which special measures of protection were taken remained practically the same as in the previous year. The Government is glad to notice that, in the Northern circle, the working plans under preparation make arrangements for fire protection of a rigid type. Presumably the same is the case as regards the plans under consideration in the Central and Southern circles. It will be some time, however, before plans are ready for all important areas: and the Government is disposed to think that the question of protecting against fire some of the more important reserves at present unprotected should be examined in advance. As pointed out by the Government of India in reviewing the report for the previous year, fire protection is at present attempted over about one-third only of the total area of reserves. Many areas are perhaps naturally sufficiently safe from damage by fire. An estimate of such areas might with advantage be given in the next report as suggested by the Supreme Government.

As regards the areas attempted to be protected, it would appear, even after making every allowance for the exceptionally dry season, that improvement is possible in certain localities. With regard to the hostility of the wild tribe of the Chenchus in the Nallamalais, the Government trusts conciliatory measures will be thoroughly tried before resort is had to the penal laws. In North Malabar more than three-fourths of the area under protection have been burnt in each of the three past years. It should be considered whether more effective measures of protection are not both desirable and justifiable.

12. *Regulation of Grazing.*—The grazing arrangements made were generally satisfactory. It is noted that substantial concessions in regard to free cutting and removal of grass and free grazing were made on account of the prevailing drought. The question of making provision for goat browsing appears still to present much difficulty. It has been distinctly laid down that, where the unreserved lands are not sufficient for all the reasonable requirements of the ryots in the matter of goat browsing, compartments in the reserves should be opened to goat browsing under certain rules, unless the number of permits actually issued for cattle and sheep is already excessive and shows that no spare ground is available for goat browsing. The Board of Revenue insisted in 1899 on action being taken in all districts on these principles. In many districts, however, the matter does not appear, at the end of the forest year under review, to have passed the stage of proposal and preparation of schemes. In North Arcot, for instance, the report for the year 1898–99 promised that an extended scheme would be put in force from the 1st January 1900; while from the present report it appears that the area of 12 square miles open to goats in the previous year was closed, and that a scheme for goat browsing had not yet been submitted to the Board. The Government trusts that the Board will take steps to have the matter put on a satisfactory basis in all districts with the least practicable delay.

13. *Natural and artificial reproduction and cultural operations.*—The season was generally adverse to natural reproduction and many failures and disappointments in cultural operations and experiments have to be ascribed to the drought. It is noticed that no mention is made of the special report on *bamboo* planting in South Arcot promised in the last report. A more important omission is the absence of any reference to the planting up of *kumaried* areas with teak in South Canara and North Malabar. The Government trusts that these experiments have not been abandoned.

14. *Exploitation of major and minor produce.*—The various operations undertaken for the extraction of different kinds of forest produce are fully described in the report and call for no special remark.

Gross yield and outturn of Forest Produce.

15. The total amount of forest produce extracted was greater under all heads than in the previous year. Departmental removals exceeded sales except under the head of *bamboos*. The explanation as regards *timber* appears to lie in the difficulty experienced in making satisfactory arrangements for the supply of sleepers to Railway Companies; and as regards *fuel*, the accumulation of stock was due partly to the unavoidable clearing of certain areas and partly to fellings in accordance with working-plans which will no doubt be in time adapted to actual requirements. Removals by purchasers show a large increase under all heads. Making allowance for the adjustments in the accounts which made the figures for 1898–99 in North Arcot appear less than they really were, the increase generally appears largely due to more careful supervision and better arrangements made to meet local wants. This explanation particularly applies to the increase of over half a lakh of rupees under *grazing* which was realized notwithstanding the concessions granted on account of the drought. The Government would remark, however, that some of the detailed explanations furnished in paragraph 44 of the report are not very intelligible; for example, it does not explain an increased sale of fuel in Nellore to say that several coupes were sold.

Financial Results.

16. The outstanding balance at the end of 1898–99 according to Form No. 61 appended to the report for that year was Rs. 2,68,456 + £18-15 *s.* or Rs. 2,68,712. The present report shows the opening balance of the year 1899-1900 as Rs. 1,99,858. This is due to a reduction in the balance for the Madura district of Rs. 68,854, the nature of which is not explained. As the item is large the Government will be glad to receive an explanation thereof.

Taking the opening balance of the year at Rs. 1,99,858 and adding thereto the value of sales and other revenue of the year, Rs. 23,63,460, the total amount for collection was Rs. 25,63,318. Of this sum Rs. 23,13,506 was collected, Rs. 14,155 was written off, and there remained a balance at the end of the year of Rs. 2,35,657.

The surplus of the year was 6·25 lakhs of rupees being 27 per cent. of the total collections. The department is entitled to credit for this satisfactory result attained in a season not wholly favourable.

General.

17. The Government is pleased to observe from the remarks in Chapter V of the report that the policy of working the department to meet the ryots' wants is kept steadily in view. The Government notes with special satisfaction the measures taken to extend and promote the growth of trees and shrubs, the leaves and twigs of which are used by the ryots for field manure. It is also satisfactory to note that the co-operation between the Revenue and Forest-officers so essential to the successful administration of the department in this Presidency generally continues.

18. Several cases of misconduct among the subordinate staff are reported. It is noted that the question whether stricter disciplinary measures are required is under the Board's consideration. At the same time the Government trusts that continued careful supervision together with the improved prospects now open to the subordinate staff will in time effect a marked improvement.

19. The Government is pleased to notice the commendations deservedly earned by Messrs. Cox, Nallasawmi Naidu and, in particular, by Mr. Brasier. His Excellency the Governor in Council would be glad to see in the report a somewhat fuller notice of the work of individual Forest-officers. The Conservators have ample opportunities of comparing the work of the various Forest-officers in their circle and of judging of their merits. Mr. Hooper does neither himself nor the District Forest-officers of his circle justice in confining his notice to the officer specially employed on working-plans; nor is it understood what he means by referring to that officer as the "only officer" who has served under him. It is the duty of the Conservator of the circle to gauge the character and work of all the Forest-officers serving in his jurisdiction.

20. *General.*—Satisfactory progress was made in settlement work: and also in the preparation of working plans: steady attention was paid to meeting the requirements of the people and reconciling their wants with the restrictions necessarily imposed by effective conservancy; while a considerable revenue was realized in excess of expenditure. All these circumstances testify to the general good management and work of the department. His Excellency the Governor in Council has much pleasure in congratulating all concerned on the successful results of the year.

(True Extract.)

(Signed) G. S. FORBES,
Secretary to Government.

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